

Manufacturer's Certificate

Panamera (976)

02/24 ENU 4400

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Approved: Wheels and Tires (02/24)



Information

"N..." = Specification code of the tire, e.g. "ND0", "ND1", "ND2" ... The complete "N ..." code of the relevant tire makes must be shown on the tire sidewall near the 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.



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

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, 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.



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.

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Vehicle Type: **Panamera / Panamera 4 / Panamera Turbo E-Hybrid**Model Year: **As of 2024**

Cause: Approval status: March 2024

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

Tires	Tire sizes	Wheel sizes	Snow chains
Panamera, Panamera 4			
Summer	FA: 265/45 ZR 19 (105Y) XL RA: 295/40 ZR 19 (108Y) XL Not for vehicles with Porsche Ceramic Composite Brake (PCCB) Not for vehicles with 410 / 420 GG brake	FA: 9.0 J x 19, RO 64 RA: 10.5 J x 19, RO 62	No
	FA: 275/40 ZR 20(106Y) XL RA: 315/35 ZR 20 (110Y) XL Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 9.5 J x 20, RO 71 RA: 11.5 J x 20, RO 68	No
	FA: 275/35 ZR 21 (103Y) XL RA: 315/30 ZR 21 (108Y) XL	FA: 9.5 J x 21, RO 71 RA: 11.5 J x 21, RO 69	No
Winter	FA: 265/45 R 19 105V XL M+S RA: 295/40 R 19 108V XL M+S Not for vehicles with Porsche Ceramic Composite Brake (PCCB) Not for vehicles with 410 / 420 GG brake	FA: 9.0 J x 19, RO 64 RA: 10.5 J x 19, RO 62	Yes
	FA: 275/40 R 20 106V XL M+S RA: 315/35 R 20 110V XL M+S Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 9.5 J x 20, RO 71 RA: 10.5 J x 20, RO 71	Yes
	FA: 275/35 R 21 105V XL M+S RA: 315/30 R 21 109V XL M+S	FA: 9.5 J x 21, RO 71 RA: 10.5 J x 21, RO 71	Yes

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Tires	Tire sizes	Wheel sizes	Snow chains
All Season	FA: 275/40 R 20 106V XL M+S RA: 315/35 R 20 110V XL M+S Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 9.5 J x 20, RO 71 RA: 11.5 J x 20, RO 68	No
	FA: 275/35 R 21 103V XL M+S RA: 325/30 R 21 108V XL M+S	FA: 9.5 J x 21, RO 71 RA: 11.5 J x 21, RO 69	No
Panamera Turbo E-Hybrid			
Summer	FA: 275/40 ZR 20(106Y) XL RA: 315/35 ZR 20 (110Y) XL Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 9.5 J x 20, RO 71 RA: 11.5 J x 20, RO 68	No
	FA: 275/35 ZR 21 (103Y) XL RA: 315/30 ZR 21 (108Y) XL	FA: 9.5 J x 21, RO 71 RA: 11.5 J x 21, RO 69	No
	FA: 275/35 ZR 21 (103Y) XL RA: 325/30 ZR 21 (108Y) XL Track tire Not for 4S E-Hybrid	FA: 9.5 J x 21, RO 71 RA: 11.5 J x 21, RO 69	No
Winter	FA: 275/40 R 20 106V XL M+S RA: 315/35 R 20 110V XL M+S Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 9.5 J x 20, RO 71 RA: 10.5 J x 20, RO 71	Yes
	FA: 275/35 R 21 103V XL M+S RA: 315/30 R 21 105V XL M+S	FA: 9.5 J x 21, RO 71 RA: 10.5 J x 21, RO 71	Yes
All Season	FA: 275/40 R 20 106V XL M+S RA: 315/35 R 20 110V XL M+S Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 9.5 J x 20, RO 71 RA: 11.5 J x 20, RO 68	No
	FA: 275/35 R 21 103V XL M+S RA: 325/30 R 21 108V XL M+S	FA: 9.5 J x 21, RO 71 RA: 11.5 J x 21, RO 69	No

Wheels:

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

Identification on the inside of the wheel:

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

19-inch "Standard" wheel

FA: 9.0 J x 19, RO 64

Part No. 976.601.025.___FFF

RA: 10.5 J x 19, RO 62

Part No. 976.601.025.A__FFF

*19-inch standard wheel***19-inch "S" wheel**

FA: 9.0 J x 19, RO 64

Part No. 976.601.025.K__FFF

RA: 10.5 J x 19, RO 62

Part No. 976.601.025.L__FFF

*19-inch S*

20-inch "Turbo" wheel

FA: 9.5 J x 20, RO 71

Part No. 976.601.025.F__FF

RA Summer: 11.5 J x 20, RO 68

Part No. 976.601.025.G__FF

RA Winter: 10.5 J x 20, RO 71

Part No. 976.698.025.C__FF



20-inch Turbo

20-inch "Design" wheel

FA: 9.5 J x 20, RO 71

Part No. 976.601.025.R__FF

RA: 11.5 J x 20, RO 68

Part No. 976.601.025.S__FF



20-inch Design

20-inch "S-PHEV" wheel

FA: 9.5 J x 20, RO 71

Part No. 976.601.025.AP_FFF

RA: 11.5 J x 20, RO 68

Part No. 976.601.025.AN_FFF

*20-inch S-PHEV***21-inch "Sport Design" wheel**

FA: 9.5 J x 21, RO 71

Part No.:

976.601.025.M_FFF or

976.601.029.B_FFF

RA Summer: 11.5 J x 21, RO 69

Part No.:

976.601.025.N_FFF or

976.601.029.C_FFF

RA Winter: 10.5 J x 21, RO 71

Part No. 976.698.025.A_FFF

*21-inch Sport Design*

21-inch "Exclusive Design" wheel

FA: 9.5 J x 21, RO 71

Part No.:

976.601.025.AA_FFF or

976.601.029__FFF

RA Summer: 11.5 J x 21, RO 69

Part No.:

976.601.025.AB_FFF or

976.601.029.A__FFF

RA Winter: 10.5 J x 21, RO 71

Part No.:

976.698.025.E__FFF



21-inch Exclusive Design

21-inch "Turbo 5" wheel

FA Summer: 9.5 J x 21, RO 71

Part No. 971.601.025.BR_FFF

RA Summer: 11.5 J x 21, RO 69

Part No.: 971.601.025.BS_FFF



21-inch Turbo 5

21-inch "EXC" wheel

FA Summer: 9.5 J x 21, RO 71

Part No.:

976.601.025.AR_FFF

RA Summer: 11.5 J x 21, RO 69

Part No.:

976.601.025.AQ_FFF

RA Winter: 10.5 J x 21, RO 71

Part No.:

976.698.025.H_FFF

*21-inch EXC*

21-inch "Sport Design" wheel

FA Summer: 9.5 J x 21, RO 71

Part No.:

976.601.025.M__FF

RA Summer: 11.5 J x 21, RO 69

Part No.:

976.601.025.N__FF

RA Winter: 10.5 J x 21, RO 71

Part No.:

976.698.025.A__FF



21-inch Sport Design

21-inch "ZV wheel"

FA Summer: 9.5 J x 21, RO 71

Part No.:

976.601.025.T__FF

RA Summer: 11.5 J x 21, RO 69

Part No.:

976.601.025.Q__FF

RA Winter: 10.5 J x 21, RO 71

Part No.:

976.698.025.B__FF



21-inch ZV 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 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.



Information

Only install wheels with identical part numbers on each axle.

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Wheel

Tightening torque 160 Nm (118 ftlb.)

Mounting:

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

- Uncontrollable vehicle handling

⇒ Only use tires of the same make, type, speed index and the same specification code (ND0, ND1, ND2, etc.) on a vehicle.

Summer Tires:

Model	Tire sizes	Tire make and type / Label value (Link to EU database)
Panamera, Panamera 4	FA: 265/45 ZR 19 (105Y) XL RA: 295/40 ZR 19 (108Y) XL	Michelin Pilot Sport 4 ND0 (Inside/Outside) FA: https://eprel.ec.europa.eu/qr/413186 RA: https://eprel.ec.europa.eu/qr/409153
	Not for vehicles with Porsche Ceramic Composite Brake (PCCB) Not for vehicles with 410 / 420 GG brake	Hankook Ventus S1 EvoZ ND0 (Inside/Outside) FA: https://eprel.ec.europa.eu/qr/476387 RA: https://eprel.ec.europa.eu/qr/476409
	FA: 275/40 ZR 20 (106Y) XL RA: 315/35 ZR 20 (110Y) XL	Michelin Pilot Sport 4 S ND0 (Inside/Outside) FA: https://eprel.ec.europa.eu/qr/410944 RA: https://eprel.ec.europa.eu/qr/409314
	Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	Hankook Ventus S1 EvoZ ND0 (Inside/Outside) FA: https://eprel.ec.europa.eu/qr/476435 RA: https://eprel.ec.europa.eu/qr/476433
		Pirelli Pzero ND0 (Inside/Outside) FA: https://eprel.ec.europa.eu/qr/596642 RA: https://eprel.ec.europa.eu/qr/596643
		Michelin Pilot Sport S5 ND0 FA: https://eprel.ec.europa.eu/qr/1341243 RA: https://eprel.ec.europa.eu/qr/1341242
	FA: 275/35 ZR 21 (103Y) XL RA: 315/30 ZR 21 (108Y) XL	Bridgestone Potenza Sport ND0 FA: https://eprel.ec.europa.eu/qr/502679

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Model	Tire sizes	Tire make and type / Label value (Link to EU database)
Panamera Turbo E-Hybrid	FA: 275/40 ZR 20 (106Y) XL RA: 315/35 ZR 20 (110Y) XL Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	RA: https://eprel.ec.europa.eu/qr/502875
		Continental Sport Contact 7 NDO FA: https://eprel.ec.europa.eu/qr/643904 RA: https://eprel.ec.europa.eu/qr/643884
	FA: 275/40 ZR 20 (106Y) XL RA: 315/35 ZR 20 (110Y) XL Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	Michelin Pilot Sport 4 S NDO (Inside/Outside) FA: https://eprel.ec.europa.eu/qr/410944 RA: https://eprel.ec.europa.eu/qr/409314
		Hankook Ventus S1 EvoZ NDO (Inside/Outside) FA: https://eprel.ec.europa.eu/qr/476435 RA: https://eprel.ec.europa.eu/qr/476433
		Pirelli Pzero NDO (Inside/Outside) FA: https://eprel.ec.europa.eu/qr/596642 RA: https://eprel.ec.europa.eu/qr/596643
	FA: 275/35 ZR 21 (103Y) XL RA: 315/30 ZR 21 (108Y) XL	Michelin Pilot Sport S5 NDO FA: https://eprel.ec.europa.eu/qr/1341243 RA: https://eprel.ec.europa.eu/qr/1341242
		Bridgestone Potenza Sport NDO Not for E-Hybrid derivatives *) FA: https://eprel.ec.europa.eu/qr/502679 RA: https://eprel.ec.europa.eu/qr/502875
		Continental Sport Contact 7 NDO FA: https://eprel.ec.europa.eu/qr/643904 RA: https://eprel.ec.europa.eu/qr/643884
	FA: 275/35 ZR 21 (103Y) XL RA: 325/30 ZR 21 (108Y) XL Track tire Not for 4S E-Hybrid	Michelin Pilot Sport Cup 2 ND1 FA: https://eprel.ec.europa.eu/qr/412607 RA: https://eprel.ec.europa.eu/qr/413002

*) in conjunction with Porsche Active Suspension Management (PASM)

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Winter Tires:

Model	Tire sizes	Tire make and type / Label value (Link to EU database)
Panamera, Panamera 4, Panamera Turbo E-Hybrid	FA: 265/45 R 19 105V XL RA: 295/40 R 19 108V XL	Continental Winter Contact TS860 S NDO FA: https://eprel.ec.europa.eu/qr/658969 RA: https://eprel.ec.europa.eu/qr/658995
	Not for vehicles with Porsche Ceramic Composite Brake (PCCB) Not for vehicles with 410 / 420 GG brake	Nexen Wingard Sport 2 NDO FA: https://eprel.ec.europa.eu/qr/1436042 RA: https://eprel.ec.europa.eu/qr/1436045
	FA: 275/40 R 20 106V XL RA: 315/35 R 20 110V XL	Michelin Pilot Alpin 5 NDO FA: https://eprel.ec.europa.eu/qr/1446518 RA: https://eprel.ec.europa.eu/qr/1446523
	Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	Bridgestone Blizzak LM005 NDO FA: https://eprel.ec.europa.eu/qr/501803 RA: https://eprel.ec.europa.eu/qr/501980
	FA: 275/35 R 21 105V XL RA: 315/30 R 21 109V XL	Continental Winter Contact TS860 S NDO FA: https://eprel.ec.europa.eu/qr/710387 RA: https://eprel.ec.europa.eu/qr/710282
		Michelin Pilot Alpin 5 NDO FA: https://eprel.ec.europa.eu/qr/653763 RA: https://eprel.ec.europa.eu/qr/653795

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All-season Tires: – Only for c-options C02, C08, C14, C15, C17, C18, C23, C26, C32, C33, C34, C35, C36, C37, C38, C39, C42, C45, C46, C96

Model	Tire sizes	Tire make and type / Label value (Link to EU database)
Panamera, Panamera 4, Panamera Turbo E-Hybrid	FA: 275/40 R 20 106V XL RA: 315/35 R 20 110V XL	Michelin Pilot AS 4 NDO FA: https://eprel.ec.europa.eu/qr/1140637 RA: https://eprel.ec.europa.eu/qr/1210082
	Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	Hankook Ventus S1 EvoZ AS NDO FA: https://eprel.ec.europa.eu/qr/1017282 RA: https://eprel.ec.europa.eu/qr/1017307
	FA: 275/35 R 21 103V XL RA: 325/30 R 21 108V XL	Michelin Pilot AS 4 NDO EPREL Link is currently unavailable
		Continental Sport Contact RX NDO FA: https://eprel.ec.europa.eu/qr/658792 RA: https://eprel.ec.europa.eu/qr/658838



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). The tire pressure must not be lower than the specified values.

Standard tire pressure

Panamera	Part load		Full load	
	Front axle	Rear axle	Front axle	Rear axle
19-inch summer tires	2.2bar (32 psi)	2.2 bar (32 psi)	2.4 bar (35 psi)	2.5 bar (36 psi)
20-inch summer tires	2.2 bar (32 psi)	2.2 bar (32 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)
21-inch summer tires	2.3 bar (33 psi)	2.2 bar (32 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)
20-inch all-season tires	2.2 bar (32 psi)	2.2 bar (32 psi)	2.3 bar (33 psi)	2.4 bar (35 psi)
21-inch all-season tires	2.4 bar (35 psi)	2.2 bar (32 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)
19-inch winter tires	2.2bar (32 psi)	2.2 bar (32 psi)	2.4 bar (35 psi)	2.5 bar (36 psi)
20-inch winter tires	2.2 bar (32 psi)	2.2 bar (32 psi)	2.3 bar (33 psi)	2.4 bar (35 psi)
21-inch winter tires	2.4 bar (35 psi)	2.3 bar (33 psi)	2.6 bar (38 psi)	2.6 bar (38 psi)

Panamera 4	Part load		Full load	
	Front axle	Rear axle	Front axle	Rear axle
19-inch summer tires	2.2 bar (32 psi)	2.2 bar (32 psi)	2.4 bar (35 psi)	2.5 bar (36 psi)
20-inch summer tires	2.2 bar (32 psi)	2.2 bar (32 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)
21-inch summer tires	2.4 bar (35 psi)	2.2 bar (32 psi)	2.6 bar (38 psi)	2.5 bar (36 psi)
20-inch all-season tires	2.2 bar (32 psi)	2.2 bar (32 psi)	2.4 bar (35 psi)	2.4 bar (35 psi)
21-inch all-season tires	2.4 bar (35 psi)	2.2 bar (32 psi)	2.6 bar (38 psi)	2.5 bar (36 psi)
19-inch winter tires	2.3 bar (33 psi)	2.2 bar (32 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)
20-inch winter tires	2.2 bar (32 psi)	2.2 bar (32 psi)	2.4 bar (35 psi)	2.4 bar (35 psi)
21-inch winter tires	2.5 bar (36 psi)	2.3 bar (33 psi)	2.6 bar (38 psi)	2.6 bar (38 psi)

Panamera Turbo E-Hybrid 5 seat	Part load		Full load	
	Front axle	Rear axle	Front axle	Rear axle
20-inch summer tires	2.8 bar (41 psi)	2.9 bar (42 psi)	3.0 bar (44 psi)	3.2 bar (46 psi)
21-inch summer tires	3.1 bar (45 psi)	3.1 bar (45 psi)	3.3 bar (48 psi)	3.4 bar (49 psi)
20-inch all-season tires	2.5 bar (36 psi)	2.6 bar (38 psi)	2.6 bar (38 psi)	2.9 bar (42 psi)
21-inch all-season tires	2.7 bar (39 psi)	2.8 bar (41 psi)	2.9 bar (42 psi)	3.1 bar (45 psi)
20-inch winter tires	2.5 bar (36 psi)	2.6 bar (38 psi)	2.6 bar (38 psi)	2.9 bar (42 psi)
21-inch winter tires	2.7 bar (39 psi)	2.8 bar (41 psi)	2.8 bar (41 psi)	3.1 bar (45 psi)

Panamera Turbo E-Hybrid 4 seat	Part load		Full load	
	Front axle	Rear axle	Front axle	Rear axle
20-inch summer tires	2.8 bar (41 psi)	2.8 bar (41 psi)	3.0 bar (44 psi)	3.2 bar (46 psi)
21-inch summer tires	3.1 bar (45 psi)	3.0 bar (44 psi)	3.3 bar (48 psi)	3.4 bar (49 psi)
20-inch all-season tires	2.5 bar (36 psi)	2.4 bar (35 psi)	2.6 bar (38 psi)	2.7 bar (39 psi)
21-inch all-season tires	2.7 bar (39 psi)	2.6 bar (38 psi)	2.9 bar (42 psi)	2.9 bar (42 psi)
20-inch winter tires	2.5 bar (36 psi)	2.4 bar (35 psi)	2.6 bar (38 psi)	2.7 bar (39 psi)
21-inch winter tires	2.7 bar (39 psi)	2.7 bar (39 psi)	2.8 bar (41 psi)	3.0 bar (44 psi)

Note: All-season tires only for c-options C02, C08, C14, C15, C17, C18, C23, C26, C32, C33, C34, C35, C36, C37, C38, C39, C42, C45, C46, C96



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.

Comfort tire pressure up to 160 km/h (100 mph):

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

For vehicles with "Comfort pressure" selected in the Tire Pressure Monitoring (TPM) system and speed threshold "160 km/h" ("100 mph").

– Only for c-options C02, C08, C14, C15, C17, C18, C23, C34, C35, C36, C37, C38, C39, C96

Panamera, Panamera 4	Front axle	Rear axle
19-inch summer tires	2.2 bar (32 psi)	2.2 bar (32 psi)
20-inch summer tires	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch summer tires	2.2 bar (32 psi)	2.2 bar (32 psi)
20-inch all-season tires	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch all-season tires	2.2 bar (32 psi)	2.2 bar (32 psi)
19-inch winter tires	2.2 bar (32 psi)	2.2 bar (32 psi)
20-inch winter tires	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch winter tires	2.2 bar (32 psi)	2.2 bar (32 psi)

Panamera Turbo E-Hybrid 5 seat	Front axle	Rear axle
20-inch summer tires	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch summer tires	2.2 bar (32 psi)	2.3 bar (33 psi)

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Panamera Turbo E-Hybrid 5 seat	Front axle	Rear axle
20-inch all-season tires	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch all-season tires	2.2 bar (32 psi)	2.3 bar (33 psi)
20-inch winter tires	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch winter tires	2.2 bar (32 psi)	2.3 bar (33 psi)

Panamera Turbo E-Hybrid 4 seat	Front axle	Rear axle
20-inch summer tires	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch summer tires	2.2 bar (32 psi)	2.2 bar (32 psi)
20-inch all-season tires	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch all-season tires	2.2 bar (32 psi)	2.2 bar (32 psi)
20-inch winter tires	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch winter tires	2.2 bar (32 psi)	2.3 bar (33 psi)



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.
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 approval is only guaranteed for the tires 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.
- 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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