

Explanation text, How do the plane wheels not break

Plane wheels have evolved so much since the first plane came out from wood to aluminum, they are so hard to break why is this?. How do they not break when the plane lands?. I will be going over how much they cost, and how many times they need to be changed, what the plane tires are filled off, and where the plane wheels go after takeoff. By the end of this text I hope that you know more about plane tires, and what is nitrogen?.

How do the wheels not break

How do the tires not break?, when you think about a big Airbus a380 coming into land full at 573,794 tons so how do the plane tires not break?. The airplane wheels are full of nitrogen not air so they are so strong with aluminum on the outside. The bigger and more tons the plane has, the more wheels the plane needs so the a320 has only 3 wheels and the 777 has 7 wheels, so that means that each wheel can hold its own pressure.

How hot does the wheel get

When the plane lands the plane wheels could get to 200 degrees C when it lands. So if you ever wonder why smoke comes up when the plane lands it is because of the wheels slowing moving in the air and then as soon as the plane tyries it the ground it is moving so fast that smoke pops up and the softer the landing the less smoke

that pops up. You also might be thinking, where do the wheels go after takeoff?, they go into a thing called the wheel well it is a place where it holds the plane wheels for the whole flight. The temperature in the wheel well gets so cold it gets as low as -63 C

How much they cost

Tyres on planes are not cheap so it is way cheaper to have a small plane cost wise. Because one plane tyre cost for retail tyre prices range from a few hundred dollars for regional aircraft to as much as \$5000 for a wide-body main tyre. A plane wheels needs to be changed around every 120 to 400 landings depending on the aircraft model, and factors such as the runway, the weather, and the pilot.

Conclusion

In conclusion there is a lot to know about plane wheels, and all of this is just about the wheel image about how much I could write about a plane itself. I hope you learned a lot of this and that I have found you a new hobby. Fun fact a plane wheel is called landing gear There are two main wheels on either side of the plane fuselage.