Runflat Tire

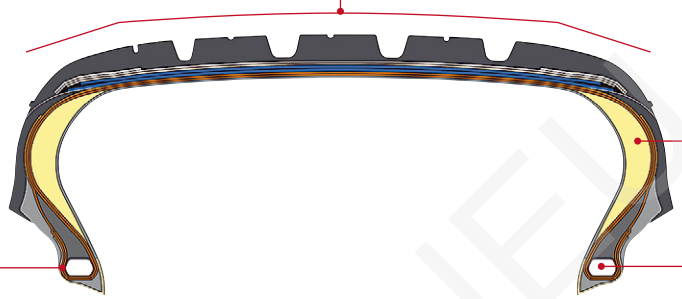
YOKOHAMA runflat tires can be driven on at zero pressure

YOKOHAMA has developed self-supporting Z.P.S (Zero Pressure System) brand runflat tires exclusively constructed and contoured to simultaneously realize reassuring handling, comfort and performance as well as runflat capabilities. The tires also provide ample mobility to enable a driver to keep on driving for a certain distance at a reduced speed after inflation pressure loss.

ADVAN Sport Z·P·S

ZPS contour
Exclusive contour realizing high durability under zero pressure condition and high-speed performance.

ZPS side reinforcement
Original low heat generating compound supports vehicle' s weight in case of air loss.

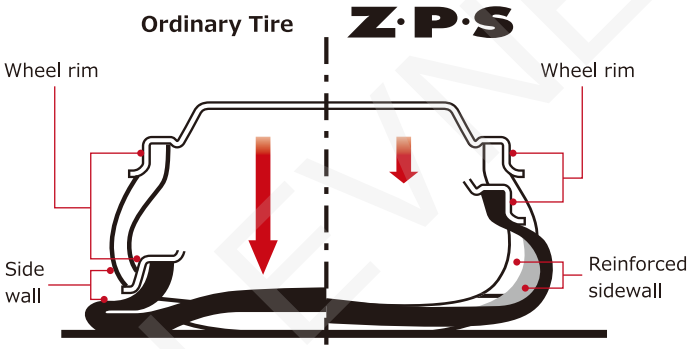


ZPS rigid bead wire
Reduces the risk of the bead unseating after loss of air pressure.

ZPS bead filler
Exclusive bead filler designed to match ZPS reinforcement delivers a high level of comfort under normal operation and high rigidity in a zero pressure situation.

ZPS = Zero Pressure System

Cross-section of a tire at zero pressure (Image)



Important notice about use of runflat tires

- **A vehicle must be equipped with a tire pressure monitoring system.**
  A vehicle must be fitted with a tire pressure monitoring system to warn the driver of air leakage when a runflat tire needs repair.

- **After a low pressure warning has been indicated:**
  -Do not exceed 80km/h (50 mph).
  -Do not travel more than 80km (50 miles).
  -Do not reinflate after runflat operation and do not repair.

① Enhanced safety

Runflat tires can operate for a specified distance at a specified speed even after a total loss of air pressure (up to 80km/h for up to 80km at 0kpa under ordinary conditions). A driver can thereby continue traveling safety without compromising handling even when these tires are totally deflated.

② Peace-of-mind in an emergency

You can drive to a safe place to change these tires when they are totally deflated.

③ No need for a spare tire means more cabin space

Eliminating the need for a spare tire means more space in the cabin interior and less overall vehicle weight.
This contributes to environmental performance, particularly in terms of resource conservation and increased fuel efficiency.