

# Wheelset assembly

- . Skidding (called sliding) causes a flat patch (called a "flat")
- the speedometer will have to be adjusted to compensate for the difference in wheel diameter caused by the reprofiling.
- An eccentric wheel can cause extreme loads on the wheel, axle, bearing and suspension, leading to failures.
- when the wheel begins rolling again after a slide, the familiar "tap, tap, tap..." of the flat will be heard.
- Wheels are often damaged by skidding during braking
- Trains are also fitted with sophisticated sanding equipment to improve traction on slippery rails, the equivalent of ABS on a car. The driver can apply the sand when wheel spin occurs during acceleration, or it can be applied automatically

Main parts of a train bogie.jpeg

Main parts of a train bogie\_1.jpeg

Main parts of a train bogie\_2.jpeg

Main parts of a train bogie\_3.jpeg

Main parts of a train bogie\_4.jpeg

Main parts of a train bogie\_5.jpeg

Main parts of a train bogie\_6.jpeg

Wheelset assembly.jpeg

Wheelset assembly\_1.jpeg

Wheelset assembly\_2.jpeg

Wheelset assembly\_3.jpeg

Wheelset assembly\_4.jpeg

A chock [ cha:k ] is a wedge or block placed under a wheel to prevent it from moving

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