

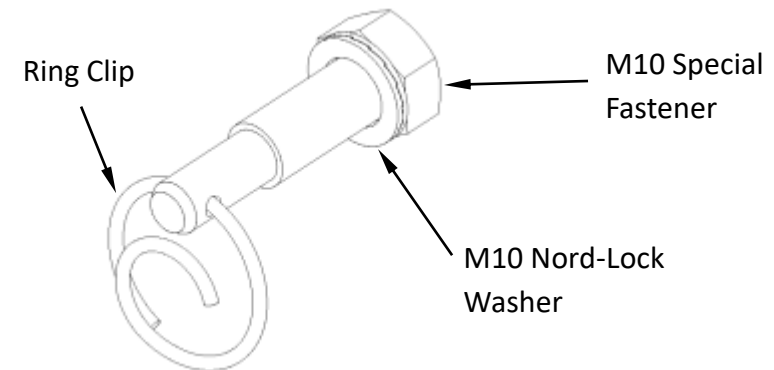
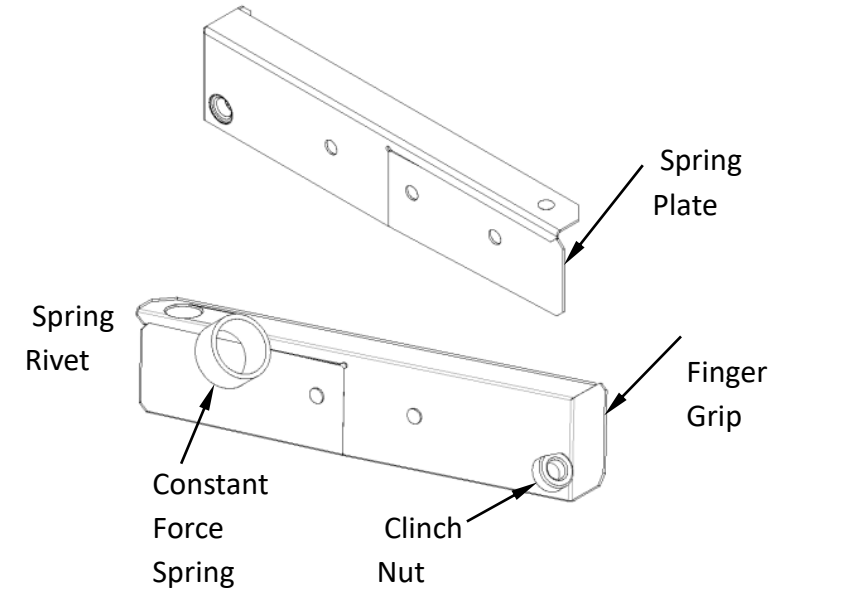
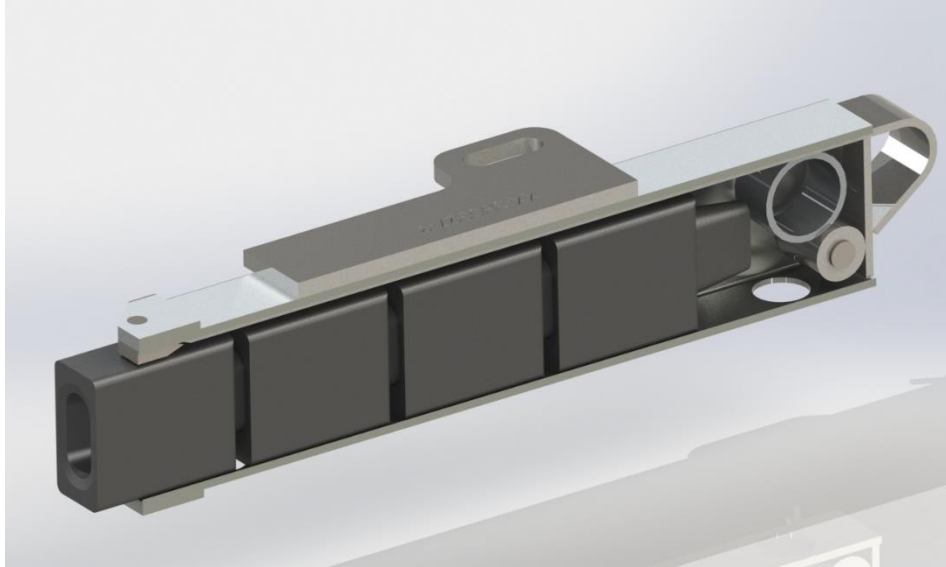
# Solid Stick Applicators

Individual design for each vehicle application

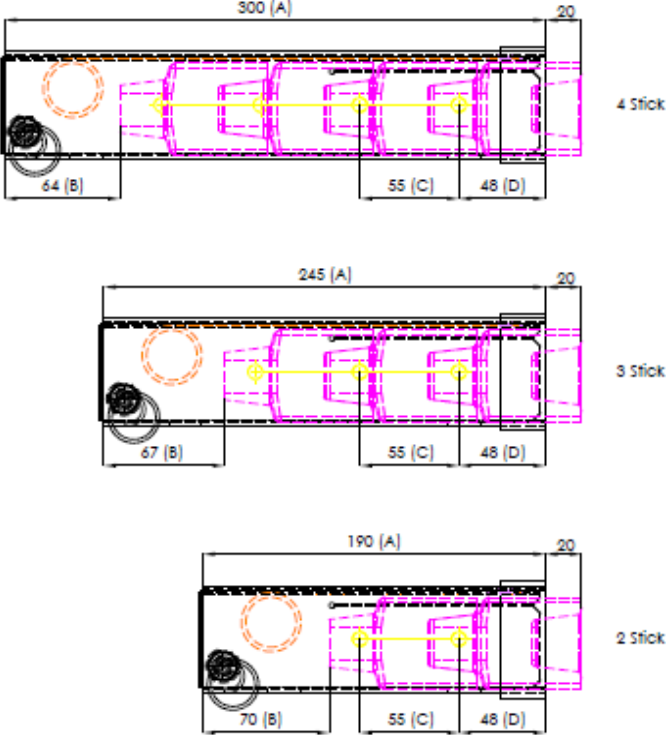
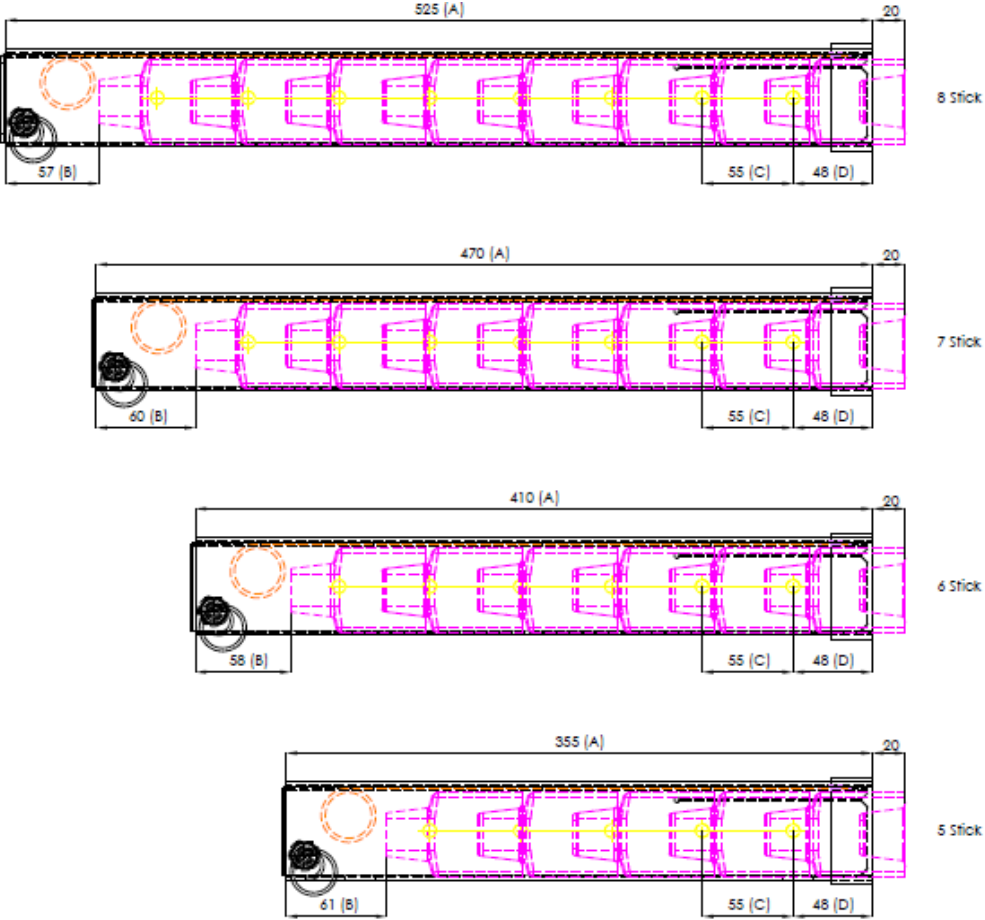
# Our Applicators

## Benefits

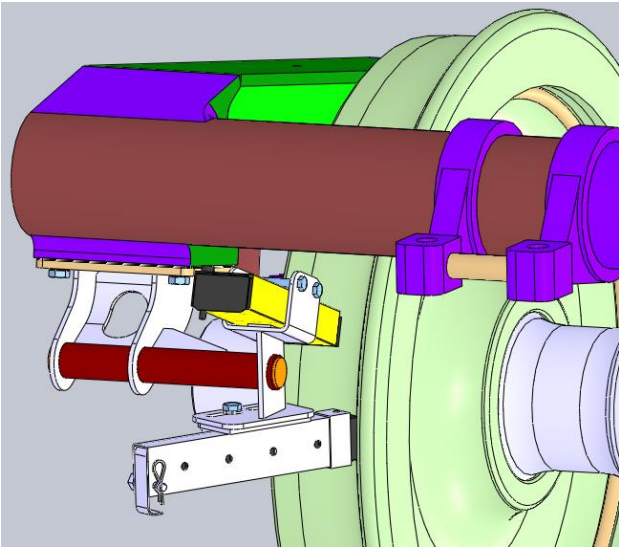
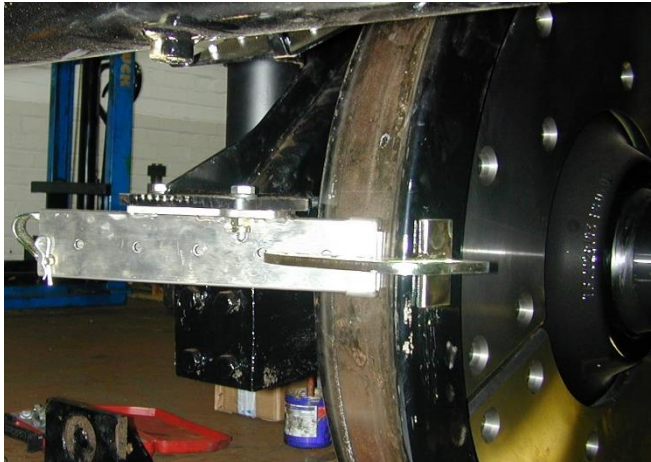
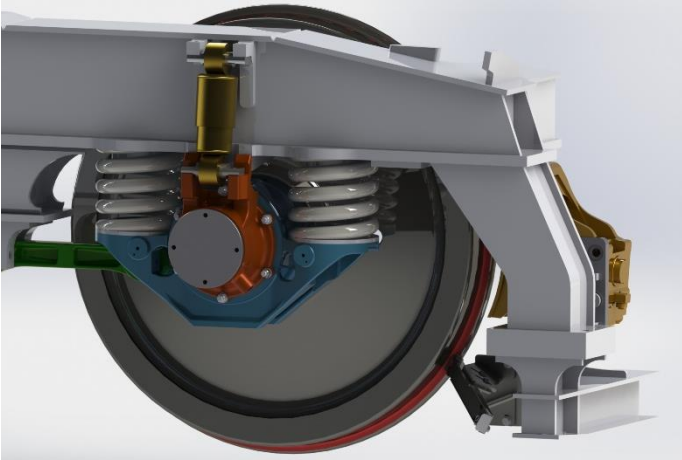
- > No electrical or pneumatic connections required
- > No active control system required
- > Reliable, clean and easy to maintain
- > Constant force spring applies solid lubricant stick to flange root/wheel tread



# Our Applicators cont.

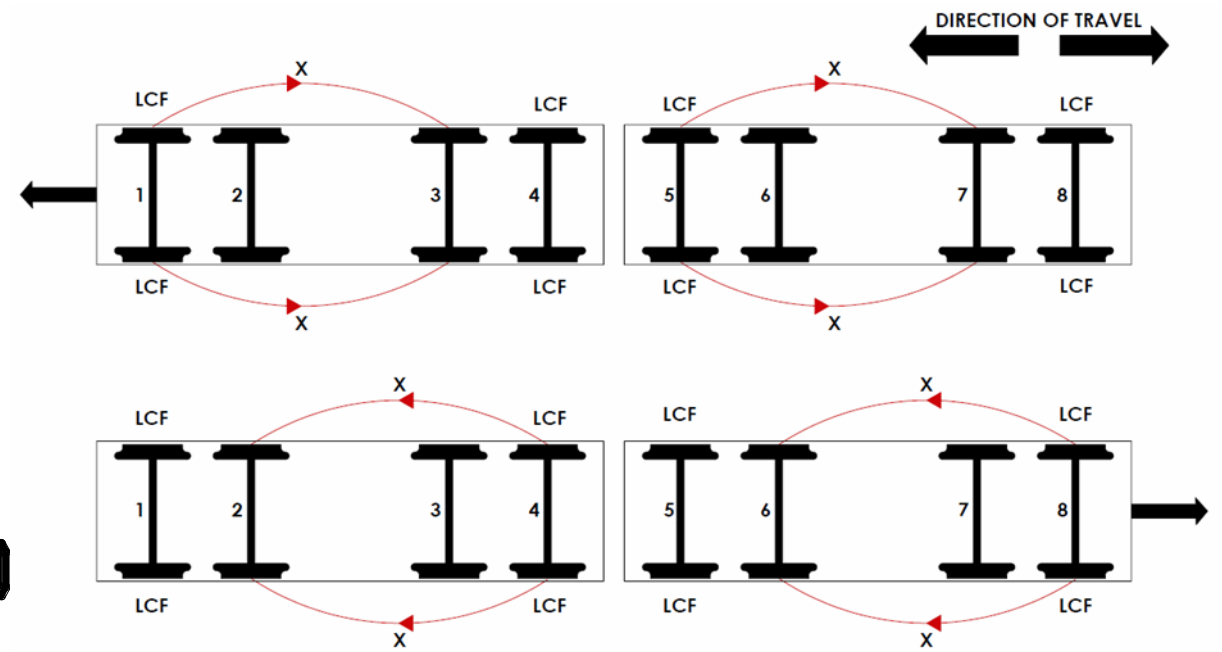
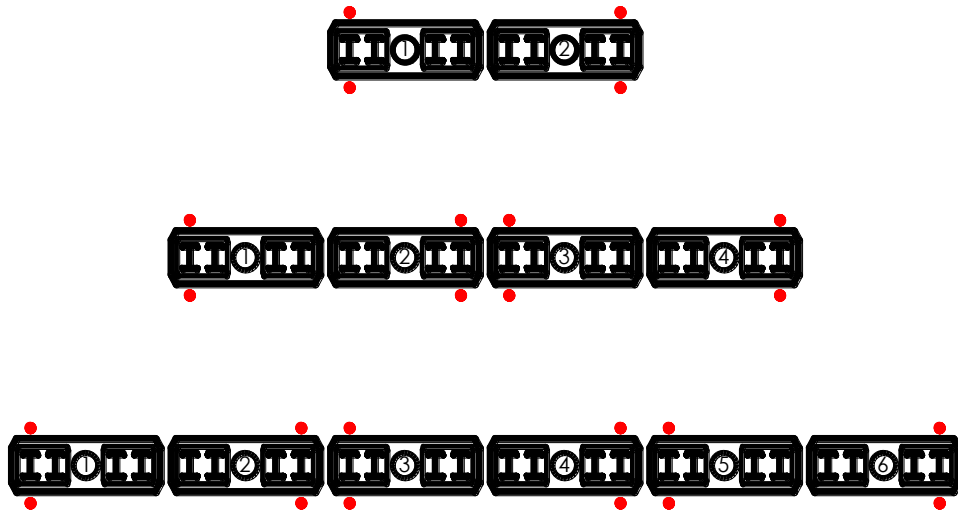


# Installations



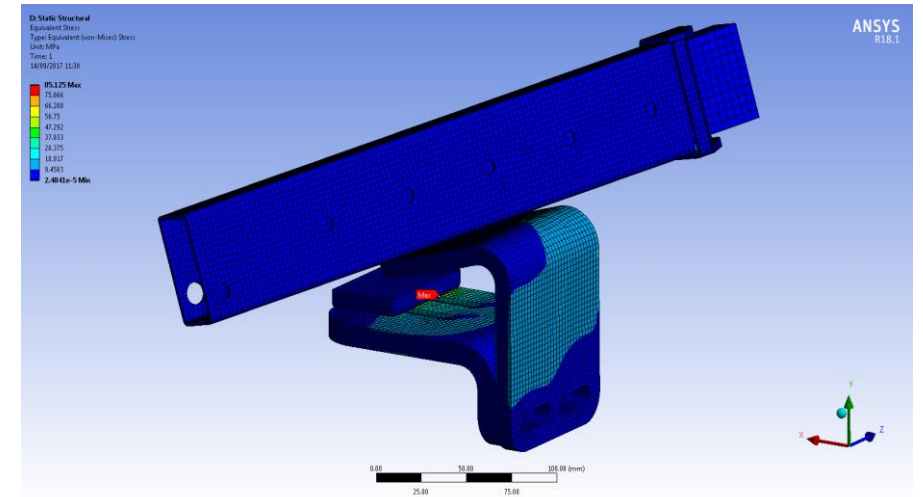
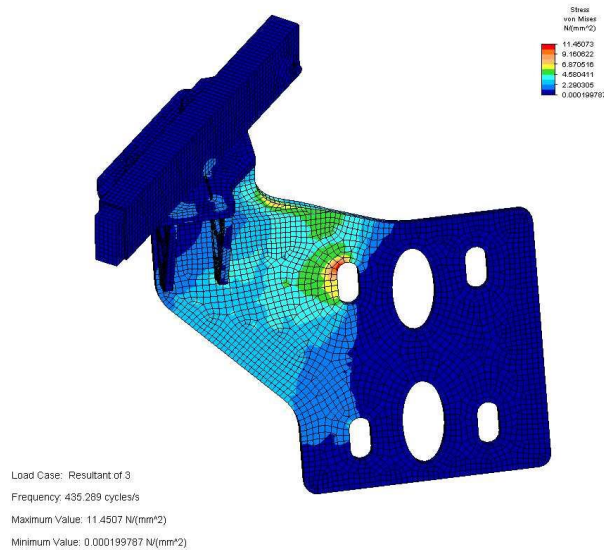
# Applicator Configuration

- > % Coverage e.g. 25%
- > Mounting location availability
- > Space constraints

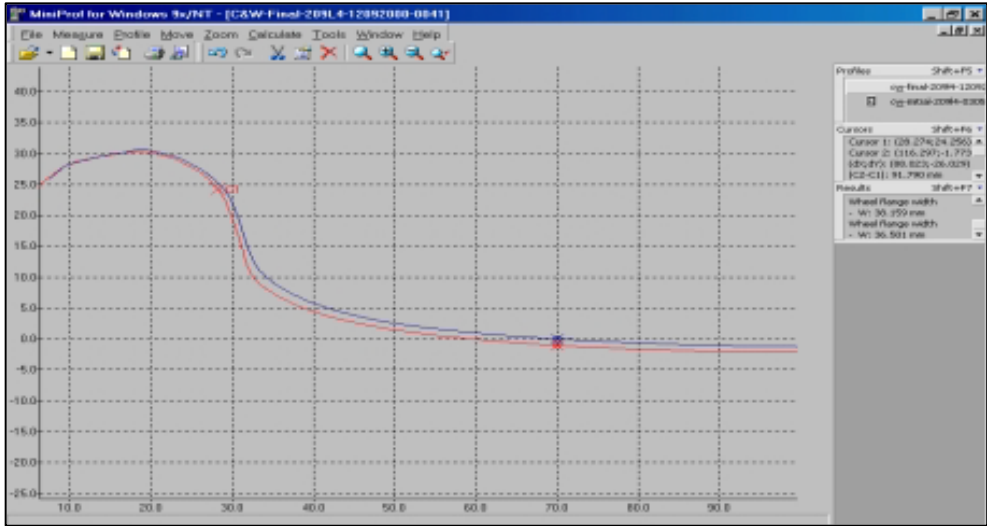
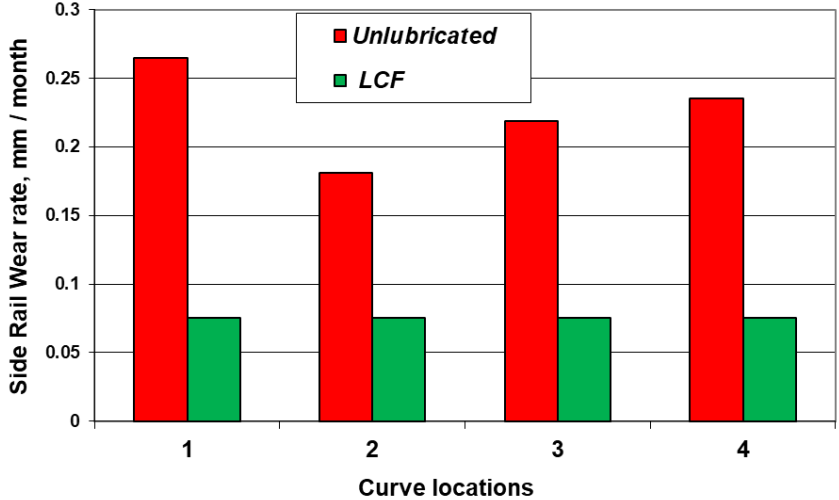
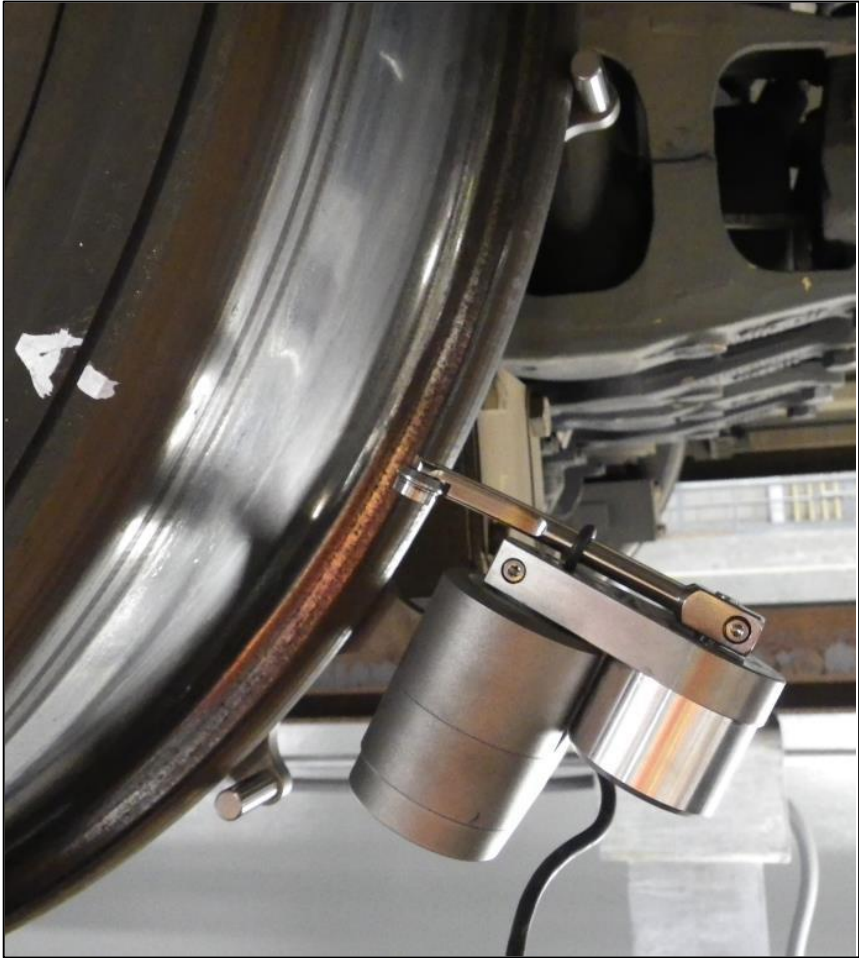


# FEA

- > Validation of designs carried out in ANSYS Mechanical
- > Design and FEA are conducted in parallel as an iterative process
- > Modal analysis conducted to ensure fundamental frequency in excess of 100Hz
- > Hot spot weld analysis performed in accordance with EN7608 to assess fatigue life of welds



# Trials and Wheel Measurements



# Thank you