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- 1) The caliper mounting bracket fits between OEM wheel hub and upright and is manufactured from plate 4130 steel on a laser cutter and machined on CNC mill to IT7 manufacturing tolerances
- 2) OEM parking brake is maintained
- 3) The plate is finished in black zinc coating
- 4) The bolts are ISO standard 10.9 grade

Design process involves calculating loads during braking at 1G ( $9.81\text{m/s}^2$ ) and applying them to design model using Finite Element Analyses and the topology is optimised to meet minimum 4x safety margin for material stress.



Figure 1. GKtech dual caliper bracket