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- 1) Main tube material is Steel 4130 in tubing size 28x22mm
- 2) Clevises are CNC formed 3mm thick Steel 4130
- 3) Subframe mounting brackets are 8mm thick Steel 4130
- 4) Welding assembly is welded together in a jig using GTAW welding method and meet EN ISO 13920-B for tolerances and EN ISO 5817-C for quality

Design process involves calculating loads at different suspension mounting points during cornering and braking scenarios and applying them to design models using Finite Element Analyses and the topology is optimised to meet minimum 4x safety margin for material stress.



Figure 1. GKtech HICAS lock bar