



Eicher Polaris Pvt Ltd Gear Shift Fork

The Multix is “India’s first personal utility vehicle”, able to be used as a people carrier, a cargo carrier and also a power generator. To save weight from the vehicle, Eicher’s engineers utilized optimization techniques to explore component design and discover where material could be removed without impacting performance. This included the gear shift fork where topology optimization techniques were used to reduce weight by 18% while also reducing stresses in the part.

Category:
Module

Application:
Eicher Polaris Multix

Weight Saving:
18%
compared to baseline

Methodology:
Design Optimization