



Jaguar Land Rover Tow Bar System

Landrovers are highly rated for their towing ability and offer class leading abilities. To deliver the robust, strong and durable performance required by the Landrover DNA, it was required to simulate all simple static loads, as well as the driven trailer towing load cases, and then extract the duty cycles. Over three years of parallel capability growth projects, the total number of bolted joints on the tow kit was reduced from 24 to 12, resulting in about 20kg less metal and substantial cost savings.

Category:
**Enabling
Technology**

Application:
2018 Landrover Discovery 5

Weight Savings:
38%
Lighter than previous system

Methodology:
Design Optimization

Presented in partnership with:



Supported by:

