



## Chassis / Hardware

### Low Mass Door System

**OEM/Vehicle**

Fiat Chrysler Automobiles  
2018 Jeep Wrangler

**System Supplier**

Brose North America Inc.

**Material Processor**

Arkal

**Material Supplier**

Trinseo

**Resin**

PP LGF30

**Tooling/Equipment Supplier**

Cavalier Tool & Manufacturing Ltd.



A 17% weight savings and a 13% cost reduction were achieved by reducing the wall thickness of this injection molded door system without additional gates or modifications in the process. The lower weight results in improved fuel efficiency and reduced emissions. Due to the mass reduction, the removable doors are now easier to lift and remove.