Stainless steel grade AISI 301 can be used for the A-pillar of the body in white (BIW) of production vehicles. The use of AISI 301 will lighten the A-pillar by 1.8 kg (24%) compared to DP 600 carbon steel which has been used in this application until now. AISI 301’s high level of formability enables parts integration and shape optimisation for vehicle manufacturers.

Location: EUROPE
Environment: OUTDOOR
Product:
Fabrication process: STAMPING AND WELDING
Grade/surface: AISI 301
Material thickness/diameter: 1.1 MM
Weight
Competing material: DP 600 CARBON STEEL (1.4 MM)
Date of Completion: 2010
Manufacturer
Material Supplier: APERAM STAINLESS STEEL EUROPE
Source of Information: APERAM STAINLESS STEEL EUROPE
Remarks: A NEW CONCEPT DEVELOPED AS PART OF ACELOMittal’S-IN-MOTION PROJECT FOR CAR MARKERS WHO WISH TO CREATE LIGHTER, SAFER, AND MORE ENVIRONMENTALLY VEHICLES FOR THE 21TH CENTURY.