

Automotive
A-PILLAR FOR CAR DOOR



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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 ACELORMITTAL' S-IN MOTION PROJECT FOR CAR MARKERS WHO WISH TO CREATE LIGHTER, SAFER, AND MORE ENVIRONMENTALLY VEHICLES FOR THE 21TH CENTURY.