Transport

Railway Wagons

The use of modified chromium-alloyed stainless steel 1.4003 has significant advantages over carbon steels in this application. The corrosion resistance of this grade means the cost of operating the wagons is more attractive over their lifecycle. Modified 1.4003 also has higher strength over carbon steels, enabling a greater load bearing capacity while reducing the weight of the wagon.

Location/environment: Australia and China/Outdoor
Product: Holt Rolled Stainless Steel Sheets
Fabrication process: Forming and Welding
Grade/surface: 1.4003 Modified, Hot Rolled/No. 1 Finish
Material thickness/diameter: 3.5 to 8.0 mm
Weight
Competing material: Carbon Steel
Date of completion: Ongoing
Manufacturer: Queensland Rail, Bradken, United, QRSS
Material supplier: Thyssenkrupp Stainless
Source of information: Thyssenkrupp Stainless
Remarks