

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, QRRS

Material supplier | THYSSENKRUPP STAINLESS

Source of information | THYSSENKRUPP STAINLESS

Remarks

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