

R340 Crane Rail



ArcelorMittal

Top Wear Performance for heavy loads



Our new grade allows our customers to optimize their Life Cycle cost thanks to R340 grade; top wear performance for an increased service life crane rail for heavy loads.

Mechanical properties

New product designed in our ArcelorMittal Rail Excellence Center (Global R&D) which combines optimum process parameter with ad-hoc chemical composition.

This new grade with higher mechanical properties and hardness was designed for heavy loads.

Hardness	> 340 HB
Tensile Strength	> 1150 MPa
Yield Strength	> 600 MPa
Elongation	> 7 %

Top Wear Performance – Increased service life

A specific wear test was designed to assess in-service performance. The results show that R340 is benchmark in wear resistance compared with other crane rail grades available in the market thanks to the customized microstructure.

Welding

Welding instructions were developed in collaboration with Goldschmidt. Portion H310-350 is recommended for aluminothermic welding of R340.

