



Certificate No : MD00/4765/0003/1

SIDENOR ACEROS ESPECIALES s.l.
Planta De Reinos
Paseo Alejandro Calonje, 1
39200 Reinos (Cantabria)
Spain

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

Steel Bars

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

Valid Until : 18 June 2020
Date of Issue : 12 July 2018

A handwritten signature in blue ink, appearing to read "Lili Hou", written over a horizontal line.

Lili Hou
Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group



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Appendix 1

SIDENOR ACEROS ESPECIALES s.l.

Planta De Reinosa

Paseo Alejandro Calonje, 1

39200 Reinosa (Cantabria)

Spain

Bars	Normal Strength	Grades	mm thickness Maximum
-	-	A	220.0
Bars	Machinery	Grades	mm diameter Maximum
Normalized and Tempered	Fine Grain Al	carbon, carbon-manganese	230.0
Normalized and Tempered	-	alloy	230.0
Quenched and Tempered	-	alloy	230.0
Bars	Chain Cable Stock	Grades	mm diameter Maximum
As Rolled	Fine Grain Al+V	R3S, R4	185.0
As Rolled	Fine Grain Al+V	R3	203.0
As Rolled	Fine Grain Al+V	R4S, R5	230.0
As Rolled	-	API-2F	185.0

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Appendix 2

SIDENOR ACEROS ESPECIALES s.l.

Planta De Reinos

Paseo Alejandro Calonge, 1

39200 Reinos (Cantabria)

Spain

The approval for bars for chain cable stock grades; R3; R3S; R4;R4S; R5 are restricted to supply to Vicinay Sestao to the applicable purchasing specification; MPR3; MPR3S; MPR4; MPR4S; MPR5.

The latest issue of the Vicinay purchasing specifications are accepted subject to these maintaining the required material conditions under which approval was granted.

The R3 bars with the diameter upto 203mm produced with con cast steel blooms manufactured at Sidenor Aceros Especiales Especiales S.L. Planta De Basauri.

The R3S, R4 bars with the diameter upto 185mm produced with con cast steel blooms manufactured at Sidenor Aceros Especiales SL, Basauri

The R4S and R5 bars with the diameter upto 175mm produced with con cast steel blooms manufactured at Sidenor Aceros Especiales Especiales S.L. Planta De Basauri.

The R4S and R5 bars with the diameter from 175mm upto 230mm produced from ingot provided by Sidenor Forgings & Castings S.L.

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