

# Approved Manufacturer of Steel Plates, Strip, Sections & Bars

<b>Manufacturer</b>	<b>A.B.S. S.p.A. Acciaierie Bertoli Safau</b>
<b>Address</b>	Via Buttrio 28, Frazione Cargnacco, Pozzuolo Del Friuli Ud, 33050, Italy
<b>Type</b>	Semi-Finished Products Steel Making Bars
<b>Scope of Approval</b>	<b>Including E.A.F./Ingot/Con Cast Steelmaking as below</b>

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 on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.

**Approval Notes** Approval for normalised structural and machinery bars up to 270mm diameter is for both concast and ingot routes.



71 Fenchurch Street, London, EC3M 4BS, United Kingdom

**Li Xu**

Senior Specialist- Fracture Mechanics and Fatigue Analysis to Lloyd's Register EMEA  
A member of the Lloyd's Register group

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<b>Semi-Finished Products</b>	<b>Ingots (tonnes)</b>	<b>Grades</b>	<b>Maximum Weight</b>	<b>Units</b>
-	-	carbon, carbon manganese	41.00	Tonnes
-	-	Alloy	41.00	Tonnes
<b>Semi-Finished Products</b>	<b>Rolled Bars</b>	<b>Grades</b>	<b>Maximum Diameter</b>	<b>Units</b>
-	-	carbon, carbon manganese	370.00	mm
-	-	Alloy	370.00	mm
<b>Semi-Finished Products</b>	<b>As Cast Round Section</b>	<b>Grades</b>	<b>Maximum Diameter</b>	<b>Units</b>
-	-	carbon, carbon manganese	700.00	mm
-	-	Alloy	700.00	mm
<b>Semi-Finished Products</b>	<b>Rolled Square Bars</b>	<b>Grades</b>	<b>Maximum Thickness</b>	<b>Units</b>
-	-	carbon, carbon manganese	420.00	mm
-	-	Alloy	420.00	mm
<b>Bars</b>	<b>Structural</b>	<b>Grades</b>	<b>Maximum Thickness</b>	<b>Units</b>
As Rolled	Fine Grain Al	carbon, carbon manganese	240.00	mm
As Rolled	Fine Grain Al	Alloy	240.00	mm
Normalized	Fine Grain Al	carbon, carbon manganese	270.00	mm
<b>Bars</b>	<b>Machinery</b>	<b>Grades</b>	<b>Maximum Thickness</b>	<b>Units</b>
As Rolled	Fine Grain Al	carbon, carbon manganese	240.00	mm



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As Rolled	Fine Grain Al	Alloy	240.00	mm
Normalized	Fine Grain Al	carbon, carbon manganese	270.00	mm

<b>Bars</b>	<b>Chain Cable Stock</b>	<b>Grades</b>	<b>Maximum Thickness</b>	<b>Units</b>
As Rolled	Fine Grain Nb	U1	78.00	mm
As Rolled	Fine Grain Nb	U2	78.00	mm
As Rolled	Fine Grain Nb	U3	78.00	mm



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