



Certificate No : MD00/2173/0008/1

**AB SANDVIK MATERIALS TECHNOLOGY  
SE-811 81 Sandviken  
Sweden**

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

**Steelmaking, Semi-Finished Products and 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 : 28 October 2021  
Date of Issue : 07 December 2018**

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

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



Certificate No : MD00/2173/0008/1

Appendix 1

AB SANDVIK MATERIALS TECHNOLOGY  
SE-811 81 Sandviken  
Sweden

<b>Steelmaking</b>	<b>E.A.F. / Con Cast</b>	<b>Grades</b>	
		austenitic stainless, duplex stainless	
<b>Steelmaking</b>	<b>E.A.F. / Ingot</b>	<b>Grades</b>	
		austenitic stainless, duplex stainless	
<b>Semi-Finished Products</b>	<b>Ingot (tonnes)</b>	<b>Grades</b>	<b>tonnes Maximum</b>
As cast	-	austenitic stainless, duplex stainless	6.1
<b>Semi-Finished Products</b>	<b>Blooms</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As cast	-	austenitic stainless, duplex stainless	265.0
<b>Semi-Finished Products</b>	<b>Billets</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As cast	-	austenitic stainless, duplex Stainless	150.0
As Rolled	-	austenitic stainless, duplex stainless	195.0
<b>Semi-Finished Products</b>	<b>Bars</b>	<b>Grades</b>	<b>mm diameter Maximum</b>
As Rolled	-	austenitic stainless, duplex stainless	185.0
<b>Bars</b>	<b>Structural</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
Solution Treated	-	austenitic stainless, duplex stainless	185.0
<b>Bars</b>	<b>Machinery</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
Solution Treated	-	austenitic stainless, duplex stainless	185.0

Semi Finished products austenitic and duplex stainless steel con-cast Blooms to 365mm wide, to 7500mm long; Con-cast Billets to 150mm wide, to 6200mm long; As rolled billets to 195mm wide, to 6000mm long; semi-finished as rolled bars to 185mm diameter, 6900mm long for further processing for Rolled, Forged Products

Valid Until : 28 October 2021  
Date of Issue : 07 December 2018

**Lili Hou**

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