



Certificate No : MD00/4380/0002/1

Appendix 1

VITKOVICE STEEL, a.s.  
Stramberska 2871/47,  
709 00 Ostrava-Hulvaky,  
Czech Republic  
Czech Republic

Plates	Normal Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+V	B	50.0
As Rolled	Fine Grain Al	A, D	50.0
Normalized	Fine Grain Al+Nb	A, B, D, E	50.0
Normalized	Fine Grain Al+Nb+V	A, B, D, E	100.0
Normalized	Fine Grain Al+V	B	50.0
Normalized	Fine Grain Al	A, D	50.0
Plates	Higher Strength	Grades	mm thickness Maximum
Normalized	Fine Grain Al+Nb	AH27S, AH32	50.0
Normalized	Fine Grain Al+Nb+V	AH27S, AH32, AH36, DH27S, DH32, DH36, EH27S, EH32, EH36	100.0
Normalized	Fine Grain Al	AH27S, AH32, AH36, DH27S, DH32, DH36	50.0
Thermo Mechanical	Fine Grain Al+Nb	AH27S, AH32	40.0
Thermo Mechanical	Fine Grain Al+Nb+V	AH27S, AH32, AH36	40.0
Plates	Boiler & Pressure Vessel	Grades	mm thickness Maximum
Normalized	Fine Grain Al+Nb	360FG, 410FG, 460FG, 490FG	50.0
Normalized	Fine Grain Al+Nb+V	360FG, 410FG, 460FG, 490FG, 510FG	100.0
Normalized	Fine Grain Al+Nb+V+Ti	490FG, 510FG	50.0
Normalized	Fine Grain Al	360FG, 410FG, 460FG, 490FG, 510FG	50.0
Sections	Normal Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+Nb+V	E	16.0
As Rolled	Fine Grain Al+V	B	16.0
As Rolled	Fine Grain Al	A, D	16.0

Valid Until : 05 August 2019  
Date of Issue : 23 September 2016

Gavin Young

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



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Appendix 2

VITKOVICE STEEL, a.s.  
Stramberska 2871/47,  
709 00 Ostrava-Hulvaky,  
Czech Republic  
Czech Republic

Sections	Higher Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+Nb	AH27S, AH32	16.0
As Rolled	Fine Grain Al+Nb+V	AH36, DH36, EH27S, EH32, EH36	16.0
As Rolled	Fine Grain Al	DH27S, DH32	16.0
Bars	Normal Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+Nb+V	E	50.0
As Rolled	Fine Grain Al+V	B	50.0
As Rolled	Fine Grain Al	A, D	50.0
Bars	Higher Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+Nb	AH27S, AH32	50.0
As Rolled	Fine Grain Al+Nb+V	AH36, DH36	50.0
As Rolled	Fine Grain Al	DH27S, DH32	50.0

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**VITKOVICE STEEL, a.s.**  
**Stramberska 2871/47,**  
**709 00 Ostrava-Hulvaky,**  
**Czech Republic**  
**Czech Republic**

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

**Steel Plates, Sections 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 : 05 August 2019**  
**Date of Issue : 23 September 2016**

A handwritten signature in blue ink, appearing to read 'G. Young', written over a horizontal line.

**Gavin Young**  
Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group