

# TITANIUM GRADE 1 SHEET AND PLATE - ASTM B265

Titanium Grade 1 has the lowest strength and best formability of the commercially pure grades. In addition it has excellent corrosion resistance in highly oxidising and mildly reducing environments.

Typical Applications		Related Specifications				
Desalination Plate Frame Heat Exchangers Dimensionally Stable Anodes Marine Equipment		ASTM B265				
Chemical Composition (Wt %)						
		C	N	O	Fe	H
	Min	–	–	–	–	–
	Max	0.08	0.03	0.18	0.2	0.015
Typical Mechanical Properties						
0.2% Proof Stress		Tensile Strength	Elongation	Reduction of area		
MPA		MPA	%	%		
Min		Min				
170		240	24	30		

\* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

No liability will be accepted by Dynamic Metals Ltd in respect of any action taken by any third party in reliance of any of the data provided.

The information provided in this datasheet has been taken from multiple recognised sources. No guarantee is given that the information is from the latest issue of these sources and no guarantee is given that the information in the datasheet is accurate or up to date.

Material supplied by Dynamic Metals Ltd may vary significantly from this data but will conform to the relevant and applicable standards. All transactions are subject to Dynamic Metals Ltd latest Terms and Conditions of Sale.

As the products detailed may be used for a wide variety of purposes and as Dynamic Metals Ltd has no control over their use; Dynamic Metals Ltd specifically excludes all conditions or warranties expressed or implied by statute or otherwise as to dimensions, properties and/or fitness for any particular purpose, whether expressed or implied.

Advice given by Dynamic Metals Ltd to any third party is given for that party's assistance only and without liability on the part of Dynamic Metals Ltd.

All transactions are subject to Dynamic Metals Ltd latest Terms and Conditions of Sale. The extent of the Company's liabilities to any customer is clearly set out in those Conditions; a copy of which is available by request or by downloading from our website.

## General Enquiries

T: +44 (0) 1525 217 556 [\\_\(tel:+4401525217556\)](tel:+4401525217556)

E: [sales@dynamicmetalsltd.com](mailto:sales@dynamicmetalsltd.com) [\\_\(mailto:sales@dynamicmetalsltd.com\)](mailto:sales@dynamicmetalsltd.com)



## **UK Address:**

### *Head Office*

40 Eden Way  
Chartwell Business Park  
Leighton Buzzard  
Bedfordshire  
LU7 4FY

T: +44 (0)1525 217 556 [\\_\(tel:+441525217556\)](tel:+441525217556)

### *Conversion Centre*

Suite 2 Meadowhall Riverside  
Meadowhall Road  
Sheffield  
South Yorkshire  
S9 1BW

T: +44 (0)1143 030 320 [\\_\(tel:+4401143030320\)](tel:+4401143030320)

### *Registered Office (only)*

The Granary  
Crowhill Farm Ravensden Road  
Wilden  
Bedfordshire  
MK44 2QS

T: +44 (0)1525 217 556 [\\_\(tel:+441525217556\)](tel:+441525217556)



[\(/media/zn2dbklo/cyber-essentials-certified-plus.png\)](#)



[\(/media/dyelbliq/cyber-essentials-certified.png\)](#)