DATA SHEET
TITAN GRADE 4

Major specifications
ASTM F67 | ASTM B863 | ASTM B348 | ASTM B265 | ISO 5832-2 | 3.7065 | UNS R50700

Product forms
Sheets in ASTM B265
Wire in ASTM B863
Round bars in ASTM B 348 | ASTM F67
The current Stock Range can be found on www.sd-metals.com. Further dimensions available upon request.

Key features
Titanium Grade 4 has a higher gas content compared to other classic pure titanium grades, which results in higher strengths. The level of strength is comparable to that of classic stainless steels while offering a high strength-to-weight ratio and superior corrosion resistance. For example, Titanium Grade 4 has excellent corrosion resistance in brine and salt solutions, oxidizing media, alkaline media, organic acids- and seawater.

Areas of application
Chemical and maritime industries, electroplated frame contacts, anodizing equipment, electropolishing, vessel construction, frame construction, fasteners where applicable, medical devices, dental implants- and surgical instruments.

CHARACTERISTIC

Chemical composition limits in %
(ASTM B348/863 + B265)

Ti	Rest
Fe	max. 0,50
O	max. 0,40
C	max. 0,08
N	max 0,05
H	max. 0,015

Physical constants and thermal properties

Density	4,51 g/cm³
Melting point	1670°C
Beta transus temperature	835 ± 4°C
Thermal conductivity at 20°C	17 W/ m°C

Typical mechanical properties
(room temperature)

ASTM B348/863	
Yield strength	min. 483 MPa
Tensile strength	min. 550 MPa
Elongation	15 %
ASTM B265	
Yield strength	min. 483, max. 655 MPa
Tensile strength	min. 550 MPa
Elongation	15 %

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All information is subject to change without notice.
The properties correspond to the material in the heading. They may vary for other specifications. Please contact us for more details.

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Do you have any questions? Contact us:
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