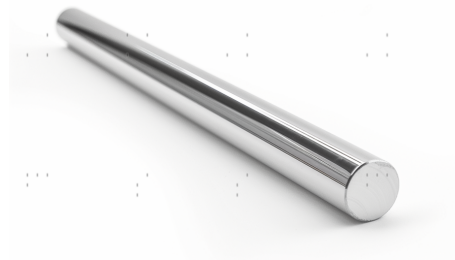


Technical Data Sheet

Product Name: Titanium Rod
Catalog No.: TM0158
Standard: ASTM B348, ASTM F67
Size: Customized
Color: Grey
Grade Grade 1, Grade 2, Grade 3, Grade 4



Specification

Form	Dia. (mm)	Length (mm)	Standard	Surface
Rod	5-300	50-6000	ASTM B348, ASTM F67	Pickled; Polished; customized upon request.

Chemical Composition (% , Max.)

Element	N	C	H	Fe	O	Residuals	Ti
Grade 1	0.03	0.08	0.01	0.2	0.18	0.4	Bal.
Grade 2	0.03	0.08	0.015	0.25	0.25	0.4	Bal.
Grade 3	0.05	0.08	0.015	0.30	0.35	0.4	Bal.
Grade 4	0.05	0.08	0.015	0.50	0.40	0.4	Bal.

Properties

Properties	Unit	Value
Density	g/cm ³	4.51
Melting Point	°C	1670
Modulus of Elasticity	kN/mm ²	105-120
Thermal Conductivity	W/m-K	20
Elongation	%	18
Coefficient of Expansion (20 – 100°C)	µm/m °C	8.6
Yield Strength	MPa	379
Tensile Strength	MPa	448

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