



## Ti Gr 23 / 3.7164ELI

Titanium is preferred in medical industry due to its favourable biomedical properties - inertness and corrosion resistance to body fluids and tissue, high strength-to-weight ratio.

### Material Data Sheet

UNS	R56401
ASTM	B 348
ASME	SB 348
DIN	17862
ASTM	F 136
NACE	MR 0175
AMS	4928
ISO	5832-3
ABS	5453

### Main fields of application of Titanium Grade 23 ELI

Titanium Grade 23 ELI is found as most used alloy in medical industry for shoulder implants, hip-balls osteosyntheses, bone screws, bone plates, marrow-nails, spinal systems, dental implants and tools.

It's used also for:

- watch cases
- jewellery elements
- aerospace industry
- onshore and offshore

### Chemical composition

Al % max.	V %	Fe % max.	O % max.
5.50 - 6.50	3.50 - 4.50	0.25	0.13
C % max.	N % max.	H % max.	
0.08	0.05	0.012	

### Mechanical properties

Tensile strength	min 860 MPa	min 125 ksi
Yield Strength	min 780 MPa	min 115 ksi
Elongation %	min 10	

### Delivery program

Wires

0.8 - 1.5 mm

Bars

2.0 - 65

Foils

0.1 - 0.8 mm

Plates

1.0 - 100 mm

Forgings

70 - 300

Various sizes and tolerances available upon request.

### Material Outlet by Hempel

ECONOXX.com offers buyers a new and uncomplicated procurement channel, which also includes small quantities and materials in special alloys at favourable conditions.

## Contact us



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