

WORLD-LEADING
**TITANIUM
CASTING
SOLUTIONS**

to protect
air and sea sovereignty

Castingpar Group

*The agility of an SME,
The stability of a multinational*

SETTAS
TITANIUM CASTINGS

PRECIMETAL
PRECISION CASTINGS

MPO
PRECISION MACHINING



ITAR-Registered
International Traffic in
Arms Regulations



Nadcap
Administered by IATF



Edward Rabendzki
Sales Director

edward.rabendzki@castingpar.com
0032475/427734



Baptiste Falmagne
Business developer

baptiste.falmagne@castingpar.com
0032493/063635



SETTAS
TITANIUM CASTINGS

Investment casting - Sand casting

CASTINGPAR
group

What are the advantages of SETTAS titanium castings ?

- **Unmatched seawater corrosion resistance**

Thanks to its incomparable anti-corrosion properties against seawater.

- **Unique capabilities & expertise**

Unique casting capabilities (max. 2.6m diameter and 450Kg) in NATO-aligned countries for one-offs and high frequency parts.

- **Cost-efficiency**

Long-lasting castings with minimum or no maintenance cost.

- **Design versatility**

Centrifugal casting enables complex shapes with guaranteed metallurgical structure and uniformity and internal soundness.

- **Unrivaled weight-to-strength ratio**

Perfect when weight matters most.

A unique casting know-how, to empower NATO allies

For 40+ years, SETTAS operates in Belgium the **world's largest centrifugal titanium foundry**.

SETTAS specialises in the manufacturing of medium and large **titanium investment castings** and **sand castings** with superior mechanical properties.

Applications: pumps bodies, valves, desalination wheels, heat exchangers and fire extinguisher parts, etc **in contact with seawater**



Unmatched capacities, to tackle complex technical challenges

Materials

- Titanium alloys (Gr2, Ti6Al4V, Ti6242,...)
- Titanium – Palladium alloys
- Zirconium

Max size

Sand Castings

2600
mm(8.5ft)

Max size

Investment Castings

1200
mm(8.5ft)

Weight

Sand castings

450
Kg(1000Lb)
Max pour weight

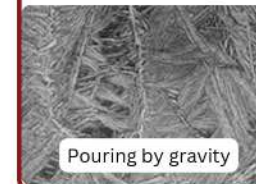
Weight

Investment castings

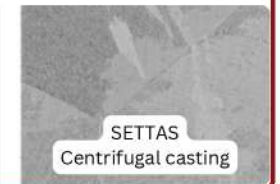
120
Kg(264Lb)
Max pour weight

Core microstructure of component

TiAl16V - 100x magnification



Pouring by gravity



SETTAS
Centrifugal casting

Vertical integration

- Heat and Surface treatments
- Machining
- Assembly