



Setforge

AIRCRAFT

In the aerospace industry, safety, performance and weight optimization are essential. Aircraft components must meet extreme technical standards while ensuring long-term reliability in the most demanding flight conditions. At the same time, the sector is increasingly focused on sustainability, pushing for lighter, more efficient and lower-emission solutions.

With a long experience in forging and advanced engineering, Setforge is a key supplier to the world's leading aerospace OEMs. Our dedication to quality, innovation and eco-conscious manufacturing enables us to deliver forged parts that meet the strictest industry requirements while supporting the transition to greener aviation. Let's reach new heights together !



COMMITTED TO YOUR **SUCCESS** AT EVERY STEP

Together let's build your project from your idea to the finished part.



CO-DEVELOPMENT

- **Engineering excellence**
- Materials selection, process optimization, co-design, tooling design, structural and metallurgical analysis, industrialization phase...



FORGING

- **Extensive know-how**
- From 0.1 kg to 1500 kg
- Small, medium & high production volume with a wide diversity of materials



MACHINING & FINISHING

- **A comprehensive approach**
- Heat treatment, pre-machining or finished parts, assembling, coating, painting...
- In-house or with selected partners

CERTIFIED FOR EXCELLENCE



Our services also include heat treatment and testing operations complying with NADCAP standards.

Upper frame
Steel
19 kg



LANDING GEARS
For MLG & NLG



Arm
Aluminum
8 kg

WHEELS & BRAKES

Half wheel
Aluminum
5 kg



Machined torque tube
Steel
4 kg

Piston housing
Aluminum
21 kg



Electric brake actuator carriage
Aluminum
16 kg





Cylinder body
Steel
22 kg

Hydraulic tank cover

Aluminum
3 kg



Hydraulic body
Aluminum
6 kg



Hydraulic couplings

Electrical upsetting
Titanium (TA6V) and
Stainless Steel
Slug Ø 28 to 45 mm

Beam
Titanium
14 kg



Door stop
Titanium
0,2 kg

EQUIPMENTS & STRUCTURE

Trimmable horizontal stabilizer actuators (THSA) & Fail safe tubes

Upset forging
Special process up to 600 kg



ENGINES

OGV Blade

Aluminum
0,9 kg



Fitting

Titanium
5 kg



Fitting

Aluminum
7 kg



HOLLOW COMPONENTS MADE BY HOT EXTRUSION

Complex materials as aluminum, titanium or alloy steel

Tubular or shaft profiles, straight or shaped
with or without hot piercing

- Cost saving opportunities, fast and dedicated equipment
- Near net shape process, better material integrity
- Optimized metal fiber flow
- Good internal health of the parts

Length

Max 1700 mm (66")

Diameter

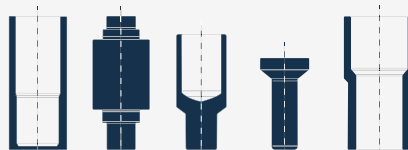
O/D max 500 mm (20")

Weight

Fully integrated up to 1500 kg

Machining

In-house or with selected partners



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OUR VISION 2050

BECOMING THE **LOW CARBON** FORGING LEADER

Because facing the environmental challenge requires concrete actions.
Electrification of processes, energy management, on-site green energy production,
sustainable supply chain, waste management, awareness campaigns of our teams...
With our special group project E-CAR, we take a stand for the future.



Setforge

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