

Benting

Aerospace



AEROSPACE



ENGINE CASING

Cases, mounted on the exterior of the aircraft engines, protect and support the parts required for combustion. Accordingly, they need to be made from materials that can stand rapid temperature change and that can reduce weight of an engine. Titanium alloys and stainless alloys are often used for parts that go into compressors installed on the cold section of the engine, while Inconel and nickel-base superalloy are often used for combustion chamber and turbine parts in the hot section of the engine.

BLISK

A blisk is a single engine component comprising a rotor disc and blades. It is both integrally cast and machined from a solid piece of material or it is made by welding individual blades to the rotor disc. This eliminates the need to attach the blades to the disk (via screws, bolts, etc.), thus decreasing the number of components within the compressor, while at the same time decreasing drag and increasing efficiency of air compression within the engine.



LANDING GEAR

The landing gear is used during landing, take-off and taxiing. It supports the aircraft weight and performs as a shock absorber. The nose landing gear includes a steering system and the main landing gear that is installed on the lower left and right of center area of an aircraft, supporting 90% of the aircraft weight.

FRAME

Frames for the aerospace sector are components that literally frame the basic structure of an aircraft. As they require high rigidity and light weight; aluminum alloys are often used to produce the frames. The use of titanium alloys has also increased due to its exceptional high strength-to-weight ratio.



Turbine blades resemble fan blades and are susceptible to considerable heat inside the aircraft engine. The blades are made of super heat-resistant alloys that contain chrome, aluminum, cobalt and many more materials that can withstand high stress levels and temperatures beyond 700°C.















Engine Parts





08-09 Turbine Blade

10-11

12-13

Diffuser

14-15

Housing Bearing

Blisk

06-07



Wing Parts

16-17

Frame



Landing Gear Parts







Casing

Aerospace Solutions

Engine Parts









Turbine Blade

Aerospace Solutions

CHASE OMILL

PTKU

TOPSLOT

FINEBARREL

NFLB

Finish

Rough level by level

AVKT

Finish

 \mathbb{N}

Finger Type

Heat Resistant Super Alloy / Titanium Alloy Airfoil Milling CHASE MOLD WINMILL Finish milling Rough sprial path Rough milling Airfoil RTM(H)X 01 CHASE 2MOLD MAXIRUSH RNMU Semi-finish Straddle Type Fir Tree Type Ð 03 02 Various Root Ty Various Root Type
 V
 V
 V

 02
 03
 04
Finger type Fir Tree type Straddle type



ZNHU

ZNHT



Aerospace Solutions

Engine Parts



Diffuser

Aerospace Solutions

Engine Parts

G Taegu





G. Taegutec

Housing Bearing

Engine Parts

Heat Resistant Super Alloy / Titanium Alloy / **Precipitation Hardened Stainless Steel**





T-CLAMP

Turning 7-70RN

Ο

01

T-CLAMP



Frame

Aerospace Solutions

Wing Parts

Aluminum & Titanium Alloy







Composite Material

Aerospace Solutions

Fuselage Parts





Prevents & delamination

Landing Gear

Aerospace Solutions

Titanium Alloy / Stainless Steel / Aluminum Alloy







Landing Gear Parts

Grades

Chipbreakers



Milling Grade for ISO 🌖



Milling Insert Round insert MM MLL High feed insert MM ML 90° insert ML EML EL **Turning Insert** А А Α Α в в В в MGS FGS ML MP







Gool CutZZ

Your Knowledge Machining Link!









• Cat.No: 6262083

- English Version: CT 08/2023
- ©TaeguTec LTD.