

AATC

American Aerospace Technical Castings

AATC PRESENTATION – INVESTMENT CASTINGS & FINISHED PARTS_SAMPLES

“What can we manufacture (Investment Castings & Machining of all kind) for you today?”

(3 OF 3 – PRESENTATIONS – REVISION 2014_0429)



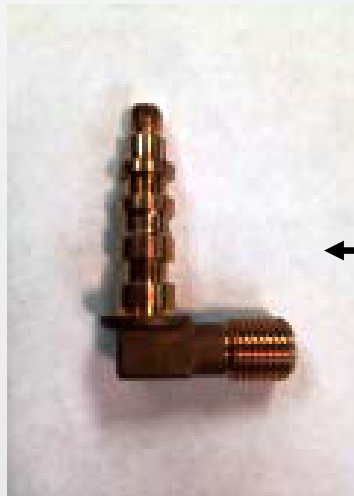
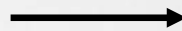
Small Investment Castings & Finished Parts



Weight: 0.02 lb (9.07 g)
Height: 0.50 in (12.70 mm)
Typical Wall Thickness: 0.04 in (1.02 mm)
Material: 347 Stainless Steel; AMS 5362
Application: Aircraft Engine; Oil Tank Breather.



Weight: 0.03 lb (13.60 g)
Height: 1.10 in (27.94 mm)
Typical Wall Thickness: 0.04 in (1.02 mm)
Material: Beryllium Copper; AMS 4890
Application: Aircraft Sensors; Exterior. (2 Styles)



Weight: 0.06 lb (27.20 g)
Height: 1.25 in (31.75 mm)
Typical Wall Thickness:
Material: Beryllium Copper; AMS 4890
Application: Aircraft Engine; Fuel Systems.

Small Investment Castings & Finished Parts



← Weight: 0.50 lb (226.79 g)
Height: 2.25 in (57.15 mm)
Typical Wall Thickness: .10 in (2.54 mm)
Material: A356 Aluminum; Commercial
Application: Aircraft Engine; Model Airplane (hobby-toy airplane).

Weight: 1.10 lb (13.60 g)
Height: 3.25 in (82.55 mm)
Typical Wall Thickness: .09 in (2.28 mm)
Material: 316 Stainless Steel; ASTM A351
Application: Fluid Handling Equipment; Inducer (Wax & Casting).



→ Weight: 1.25 lb (13.60 g)
Height: 3.25 in (82.55 mm)
Typical Wall Thickness: .09 in (2.28 mm)
Material: 17-4PH Stainless Steel; AMS 5343
Application: Aircraft Engine, Cowl; Bracket-Latch.



Medium Investment Castings & Finished Parts



Weight: 1.85 lb (839.14 g)
Height: 5.75 in (146.05 mm)
Typical Wall Thickness: .08 in (2.03 mm)
Material: 17-4PH Stainless Steel; AMS 5342
Application: Aircraft Engine; Bumper-Lower Section.

Weight: 1.95 lb (884.50 g)
Height: 6.10 in (154.94 mm)
Typical Wall Thickness: .12 in (3.04 mm)
Material: 17-4PH Stainless Steel; AMS 5343
Application: Aircraft Engine; Hinge-Assembly, Cowl; Center.



Weight: 2.50 lb (1133.98 g)
Height: 8.35 in (212.09 mm)
Typical Wall Thickness: .09 in (2.28 mm)
Material: 17-4PH Stainless Steel; AMS 5344
Application: Aircraft Engine, Nacelle; Fitting-Latch.

Medium Investment Castings & Finished Parts

Weight: 3.05 lb (1383.45 g)
Height: 7.00 in (177.80 mm)
Typical Wall Thickness: .25 in (6.35 mm)
Material: 347 Stainless Steel; AMS 5362
Application: Aircraft; Hydraulic Pump (Wax & Machined Casting).



Weight: 3.50 lb (1587.57 g) – Weight Pre-Machining
Height: 8.25 in (209.55 mm)
Typical Wall Thickness: 1.25 in (31.75 mm)
Material: A356 Aluminum; Commercial
Application: Motor Cycle Engine, Cylinder Head; 125cc.

Large Investment Castings & Finished Parts

Weight: 8.25 lb (3742.13 g)

Height: 6.50 in (165.10 mm)

Length: 15.00 in (381.00 mm)

Typical Wall Thickness: 0.50 in (12.70 mm)

Material: A356 Aluminum; Commercial

Application: Mining Equipment GPS Systems (Interior).



Weight: 8.75 lb (3968.93 g)

Height: 6.75 in (171.45 mm)

Length: 15.25 in (387.35 mm)

Typical Wall Thickness: 0.50 in (12.70 mm)

Material: A356 Aluminum; Commercial

Application: Mining Equipment GPS Systems (Exterior).

Large Investment Castings & Finished Parts



Weight: 10.50 lbs (4762.72 g)
Height: 9.50 in (241.30 mm)
Typical Wall Thickness: 0.09 in (2.28 mm)
Material: Inconel 625 Nickel Base; AMS 5402
Application: Aircraft Engine; Exhaust Bracket.

Weight: 11.25 lbs (5102.91 g)
Height: 13.75 in (349.25 mm)
Typical Wall Thickness: 0.12 in (3.04 mm)
Material: Inconel 625 Nickel Base; AMS 5402
Application: Aircraft Engine; Exhaust Outlet Tube.

