

Lift Off for Less with Lower Part Cost

NEARER TO NET TITANIUM AND STEEL EXTRUSIONS



The Aerospace Industry demands performance. Plymouth recognizes that failures are not an option. Nearer to net titanium and steel extrusions help ensure that high standards are met with consistency. This means lower part cost for you and greater confidence for your customers.

APPLICATIONS:

- Seat tracks
- Fuselage chords
- Vertical stabilizer spars
- Floor beams
- Thrust reversers
- Nacelle and engine mounts
- Wing mounts
- Longerons
- Engine pylons
- Airframe and structural parts
- Bomb and missile racks
- Helicopter parts

MATERIALS:

Nearer to Net Extrusions

- Titanium
- Stainless
- Alloy steel
- Nickel-based alloys

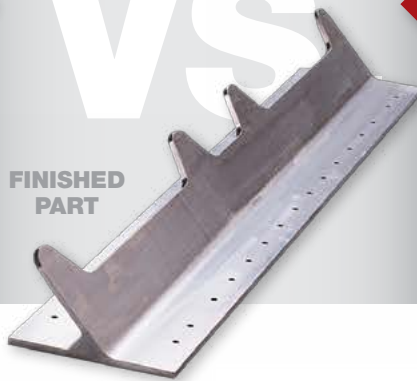
BENEFITS:

- Reduced machining time
- Less production steps
- Minimized cutting tools
- Improved buy-to-fly ratio
- Less scrap and material waste
- Reduction in carbon footprint
- Spend less on high volume production or short runs
- Industry's tightest tolerances
- Weight reduction

Bar or Plate



FINISHED PART



Nearer to Net Extruded Shape

UP TO **75%**
LESS WASTE



Our Company

No other manufacturer in North America offers so much experience in special shape technology, nor provides so many value-added options to meet your product specifications as Plymouth Engineered Shapes.

Steel and Titanium extrusions provide advantages not offered by alternative methods such as forgings, castings, and machining from bar or plate stock. Economic advantages include minimal tooling costs, reduced material usage, lower parts count resulting from the ability to extrude complex shapes over length in a single operation and less downstream machining and finishing operations. The quality benefits of the extrusion process include improved surface quality and superior flatness and straightness, which is especially critical for long length structural operations.

INDUSTRIES SERVED:

- Aerospace
- Power Generation
- Oil and Gas
- Mining and Drilling
- Heavy Equipment
- Miscellaneous Industrial

Contact us today to discuss your product requirements and specifications.



PLYMOUTH ENGINEERED SHAPES®

Plymouth Engineered Shapes:

201 Commerce Court
Hopkinsville, KY 42240

Phone: (270) 886-6631 (US)

Email: aero@plymouth.com

www.plymouth.com/engshapes

Every product manufactured by Plymouth Engineered Shapes is custom per end user specifications, and made in the United States. Chemical and physical properties of extrusions are in accordance with appropriate ASTM, ASME, AMS, QQS and Mil specifications.

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