PATRIOT FORGE CO.

PATRIOT FORGE CO. is a Canadian company which specializes in the production of high quality custom open die and rolled ring forgings.

PATRIOT FORGE CO. is capable of processing a variety of materials in weight ranges from 5 to 100,000 lbs. Through rigorous quality programs and material testing, we ensure the strength, toughness, and structural soundness required for your critical service applications.

HISTORY

- **1976** – One facility serving primarily local customers
- **1984** – Built Brantford, Ontario location
- **1992** – Built Paris, Ontario location
- **2016** – Large expansion of the Brantford location
- Today, Patriot Forge Co. Is Canada's largest producer of custom open die forgings and rolled rings. We are a strategic industry partner with over 25 years' experience working with OEM's in North America and abroad.

INDUSTRIES SERVED

- Defense: US direct and through Canadian Controlled Goods Program
- Power Generation: Fossil and nuclear; Large scale generation
- Oil & Gas: Components associated with drilling, exploration and compression
- Industrial: Materials in a variety of heavy industries including steel mills, pulp & paper, mining.
- Aerospace: Materials supplied to vendors for commercial aircraft.
- Infrastructure: Components used in bridges, locks & dams.

QUALITY SYSTEM

- **AS9100 / ISO 9001**
- **ABS – American Bureau of Shipping**
- **PED – Pressure Equipment Directive**
- **DNV – Det Norske Veritas**

For a full listing visit: **www.patriotforge.com/quality**

Patriot Forge Co. has a well-earned reputation for dedication to customers and production of the highest quality forgings. We endeavor to be a globally recognized leader in the supply of components for critical applications. Let us help with your tough requirements today.

PATRIOT FORGE CO.

280 Henry St.
Brantford, ON
N3S 7R5

Toll Free: 1 - 877 - 495 - 9542
Tel: 519 - 758 - 8100 ISO 9001/AS9100
WWW.PATRIOTFORGE.COM

FORGINGS FOR DEFENSE

PATRIOT FORGE CO.

Patriot Forge Co. is the largest custom open-die forging company in Canada and a leader in the Global market. Patriot provides more than just steel. We provide best in class solutions for all your critical applications.

In addition to your custom request, Patriot supplies material to be used for manufacturing of the following defense parts:

- Navy shipbuilding components
- Submarine pumps
- Large Caliber Gun Barrels, & Cannon Systems (Artillery Cannon Tubes, Breech Blocks, Breech Collars, Mortar Tubes)
- Ground Combat System components (Turret Rings, Gear and Drive Components)
- Naval aircraft launching and arresting equipment
- Naval ship dampening and isolation components
- Aircraft structure and landing gear

QUALITY

- High quality materials at competitive prices
- Traceability is strictly maintained throughout every stage of our manufacturing process
- Design engineers will often specify forgings. The combination of strength, ductility, uniformity, and cleanliness is unmatched by alternative products
- **CGP/ITAR – Controlled Goods Program/International Traffic of Arms Regulation compliant**
- **ABS – American Bureau of Shipping**
- **DNV – Det Norske Veritas**
- **AS9100 / ISO 9001**

For a full listing visit: **www.patriotforge.com/quality**

Patriot Forge Co. continually improves its processes, products, and facilities. Our extensive Metallurgy and Forging expertise has allowed us to provide exceptional support to our clients. Patriot is a trusted supplier for a number of leading Nuclear, Aerospace, and Defense customers.

Patriot Forge has been a strategic partner of many large OEM's for more than 25 years. Patriot Forge is an approved vendor of an array of defense components. Patriot delivers quality and dependability with extensive experience supplying to the defense industry.

CAPABILITIES

ROUGH & FINISH MACHINING

- Vertical & Horizontal Turning
- Vertical & Horizontal Milling
- Boring
- Deep Hole Drilling
- Fully Automated & Semi-Automated CNC
- Integrated, Multi-Axis Turning & Milling
- Precision Assembly, & Sub-Assembly Kitting

FORGING

HEAT TREATMENT

SAW CUTTING

DESTRUCTIVE & NON DESTRUCTIVE TESTING

THERMAL STABILITY TESTING

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NEW CAPABILITIES

PATRIOT FORGE continues tradition of investment in new equipment and technology to better serve customer requirements.

5000T PRESS

BARS AND SHAFTS

- Major Diameters up to 60”
- Lengths up to 40 feet
- Weight up to 100,000 pounds

CUSTOM UPSET FORGINGS

- Up to 100” diameter
- Up to 90,000 pounds

250T RADIAL AXIAL RING MILL

ROLLED RINGS

- Up to 157” OD
- Up to 39” height
- Radial/Axial rolling
- Up to 20,000 pounds

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VALUE ADDED SERVICES

HEAT TREATMENT

- Anneal
- Normalize
- Quench (Water & Polymer)
- Temper
- Stress Relieve

ROUGH & FINISH MACHINING

DEEP HOLE BORING & DRILLING

GRINDING & SAW CUTTING

DESTRUCTIVE & NON DESTRUCTIVE TESTING

THERMAL STABILITY TESTING

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