





The World Leader in Forged Steel Manufacturing

Over 100 years ago, Bonney Forge established the tradition of manufacturing excellence through detailed attention to customer's needs and the production of consistently superior forged products. Today, the Bonney Forge name is synonymous with quality that exceeds industry standards.

As a leading manufacturer of Forged Steel Fittings and Unions, Branch Connections, Forged Steel Valves, Cast Steel Valves and Specialty Products, Bonney Forge sets the pace for the industry, while our workmanship sets the benchmark.

The unparalleled technology and strict testing procedures implemented at our manufacturing facilities in the United States and overseas, allow us to develop high volume products, all mirroring the same unbending, superior quality that has made Bonney Forge the number one resource for the power, oil, chemical, marine and construction industries throughout the world.



John Leone, CEO

MISSION STATEMENT:

To be, today and in the future, the recognized leader in our industry, marketing and manufacturing forged steel valves, cast steel valves, forged fittings, branch connections and other related products to satisfy our customer's expectations.

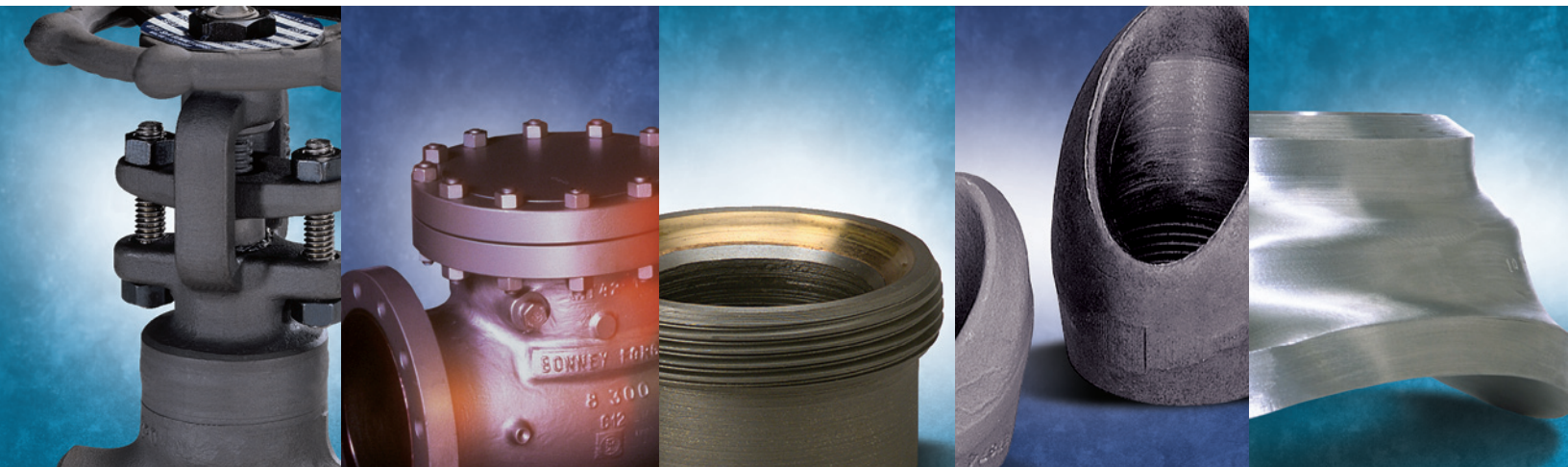
To be cost effective through Total Quality performance of these operations, and thus provide the resources required to support our commitment to improve our products, processes and customer service.

To be a law abiding corporate citizen respecting the rights of individuals, contributing to the needs of the community and conserving the state of the environment.



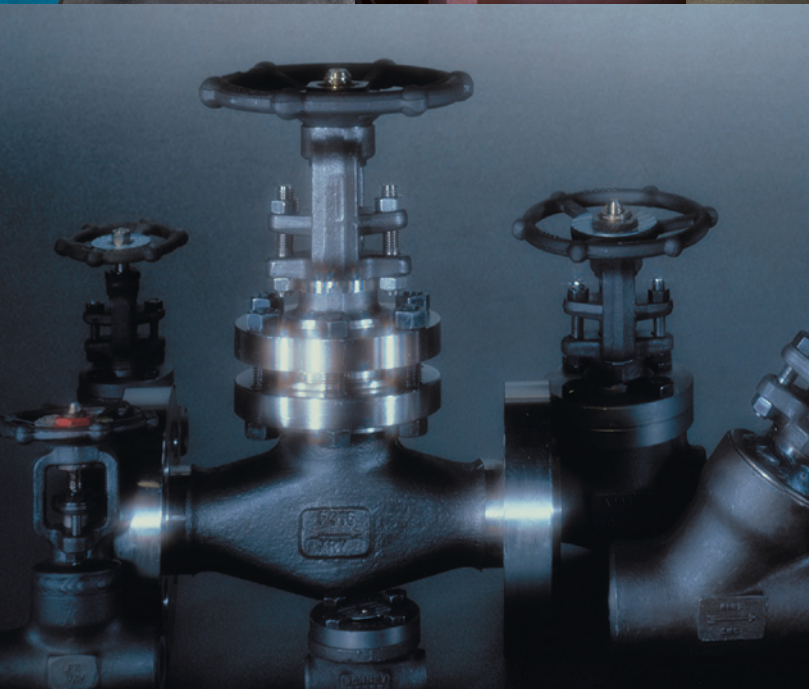
Our Products

For over 100 years, the dependable performance and trend-setting design of Bonney Forge products have exceeded customer expectations.



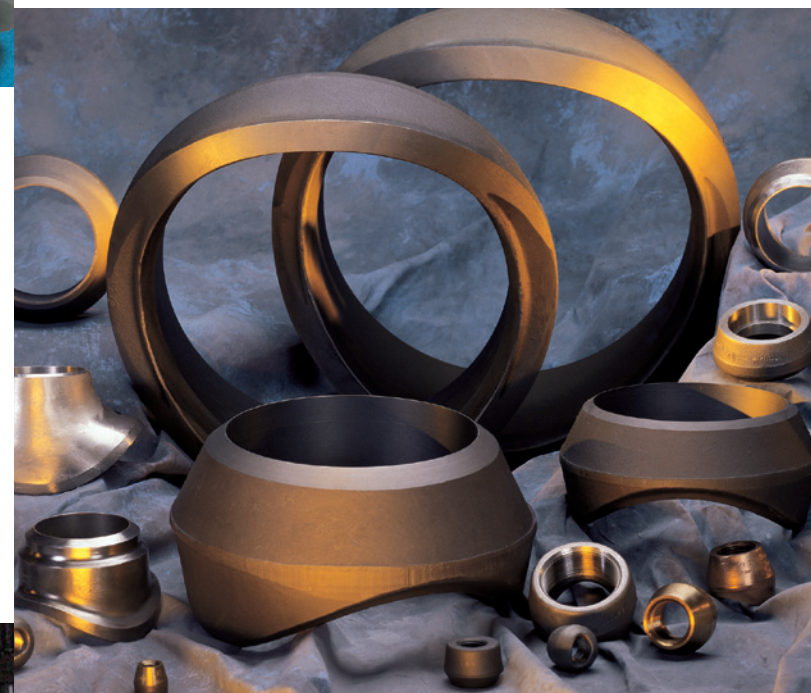
Forged Steel Fittings & Unions

The Bonney Forge commitment to remain current on leading technology produces Forged Steel Fittings and Unions of the highest quality; available in an array of classes and material grades for any application.



Forged Steel Valves

Bonney Forge is an integrated supplier of Forged Steel Valves with in-house forging, machining and assembly-test operations. Valves are available in a variety of sizes and designs to meet your most complex requirements.



Branch Connections

In 1931 Bonney Forge set the industry standard for branch connectors. Today, our continued excellence in branch connector technology—produced in Mt. Union, PA and Houston, TX—provides complete run pipe reinforcement, giving you consistent design and quality that you can count on.

Specialty/MTO

Get precisely made-to-order fittings in any shape, size or material—with the fastest turn around times in the industry, manufactured at WFI International—a division of Bonney Forge, located in Houston, Texas.



Cast Steel Valves

The Bonney Forge line of Cast Steel Valves is extensive and complete. Manufactured at our company owned facility in China, we produce both standard and customized configurations—and offer a complete choice of trim, body materials, and special features.





Forged Steel Valves

Bonney Forge produces the widest range of Forged Steel Valves in the industry. From stainless steel to carbon steel, common alloys to exotic alloys, we consistently use the highest quality materials and meet the most stringent of industry codes and specifications.

Valve Types:

Gate, Globe, Check, Cryogenic, Integral Flanged, Bellows Sealed, Extended Body Gate, Y-Pattern, and Pressure Seal

Body Bonnet Materials:

A105, LF2, F5, F9, F11, F22, F91, F304, F304L, F304H, F316, F316L, F316H, F317L, F321, F347, Alloy 20, Monel 400, Monel 500, Hastelloy B, Hastelloy C, Incoloy 800, Incoloy 825, F51 and other exotic material grades



Trim Materials:

F6, F304, F316, F317, F321, F347, F44, F51, Alloy 20, Monel 400, Monel 500, Stellite and other exotic material grades

Size Range:

1/2" up to 24"

Pressure Classes:

150, 300, 600, 800, 900, 1500, 1690, 2500, 2680, and 4500

End Configurations:

Threaded, Socket Weld, Butt Weld, Plain End, Raised Face Flange, Ring Type Joint Flange, and Flat Face

Industry Standards:

ASTM, ASME, ANSI, API, and MSS



Cast Steel Valves

For decades, Bonney Forge Forged Steel Valves and piping components have defined the "state-of-the-art" in quality, design and manufacturing. Today, our extensive product line of Cast Steel Valves is also leading the way in the market.

Select from a line of Cast Steel Gate, Globe and Check Valves designed for pressures thru Class 1500 and temperature ratings as low as -50°C.

Valve Types:

Gate, Globe and Swing Check

Body Bonnet Materials:

Carbon Steel (A216 WCB, WCC), Low Temperature Carbon Steel (A352 LCC, LCB), Alloy Steel (A217 WC6, WC9), Stainless Steel (A351 CF3, CF3M, CF8, CF8M, CF8C)

Trim Materials:

API 600 Trim Materials Available - 8, 5, 12, 16
Other trim available upon request

Pressure Classes:

ASME Classes 150, 300, 600, 900, and 1500

Size Range:

2" up to 24"

End Configurations:

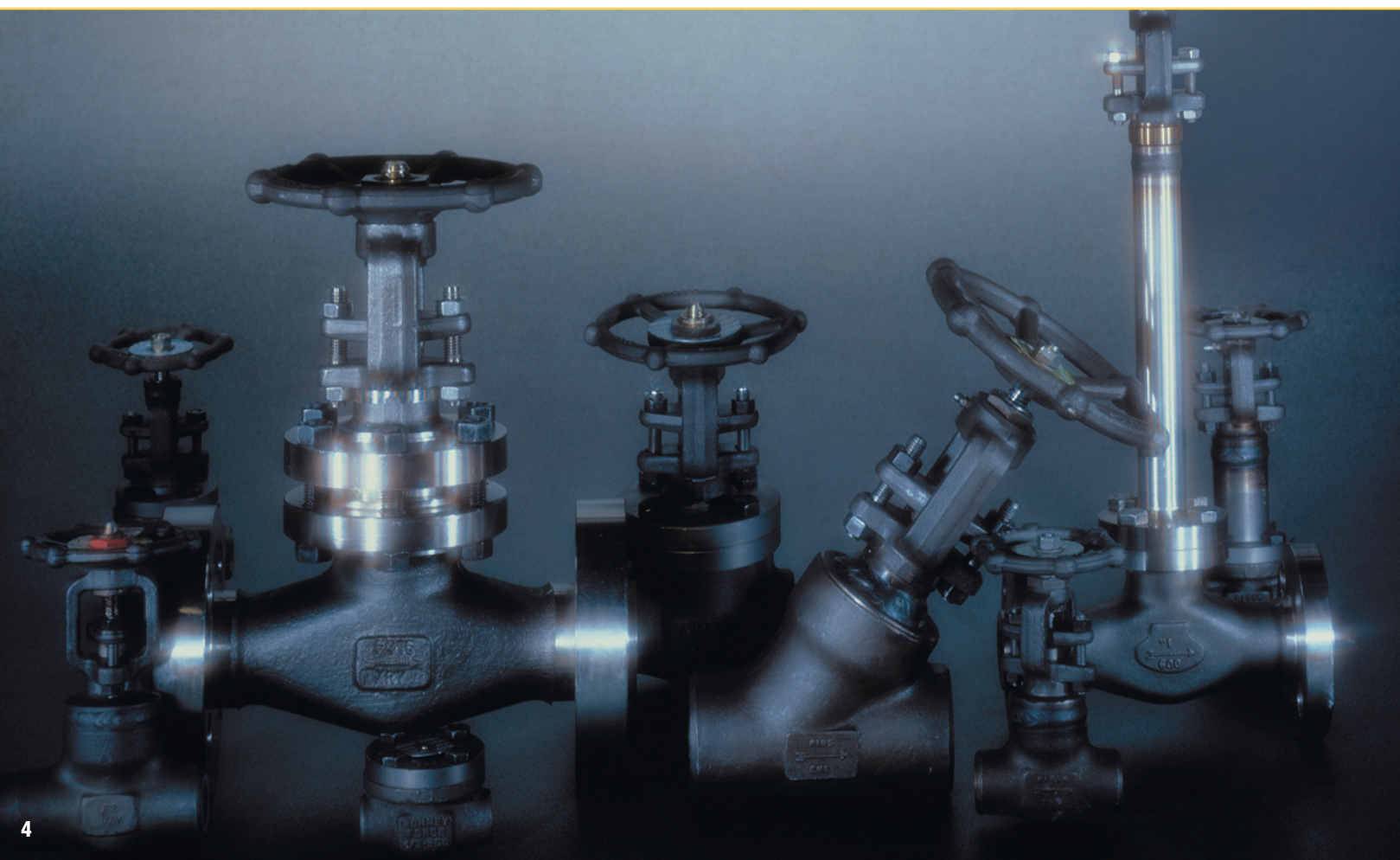
Raised Face Flanged, Butt Weld, and Ring Type Joint

Industry Standards:

API 600, API 594, API 622, API 598, ASME B16.34, B16.5 B16.10, MSS SP-25, and MSS SP-55

Bonney Forge Cast Steel Valves meet or exceed:

- Wall thickness of API 600 and ASME B16.34
- The test requirements of API 598 and ASME B16.34





Forged Steel Fittings & Unions

At Bonney Forge, our continued investment in technology has reduced product variability while increasing product serviceability. This allows us to produce high volume runs of consistently crafted, top quality, Forged Steel Fittings and Unions available in a variety of classes and material grades for any application.

Our forge shop contains complete lines of forging and support equipment, including the latest in die sinking technology.

Automated production lines and next generation machining systems also offer high volume capabilities with uncompromising quality, tested to the most stringent standards.

Fitting & Union Types:

Socket Weld Fittings, Threaded Fittings, QuikLeg90®, Threaded/Socket Weld Couplings – Reducers and Caps and Inserts, Threaded Plugs and Bushings, MSS-SP-83 Unions, Rockwood Unions, and Lug Nut Unions

Fittings & Union Materials:

SA/A105, SA/A105N, SA/A350-LF2 CL1, SA/A182-F11, F22, F5, F91, F9, SA/A182-F304/304L, F316/316L, A153 (Hot-Dip Galvanized), B633 Type 3 (Electro-Plate Galvanized)

Pressure Classes:

2000, 3000, 6000, and 9000

Industry Standards:

ASTM, ASME, ANSI, and MSS



Branch Connections

The concept of integral reinforcement of Branch Connections was pioneered by Bonney Forge. The Bonney Forge product line of Olet® Branch Connections has met the test of time and has been in numerous applications in many industries. Meeting updated design criteria, constant engineering review and tight quality standards are paramount in the production of the Bonney Olet® line of Branch Connections.

Rest assured in the quality of the Bonney Forge Olet® line of Branch Connections, as each piece must pass strict inspections before leaving the factory. Our stringent evaluations focus on material control, manufacturing quality and design control.

Olet® Types:

Weldolet®, Thredolet®, Sockolet®, Flexolet™, Latrolet®, Elbolet®, Sweepolet®, Insert Weldolet®, Nipolet®, Brazolet®, and Coupolet™

Branch Connection Materials:

Carbon Steel, Stainless Steel, Chrome Moly, Nickel/Nickel Alloys, Copper Nickel, Duplex and Super Duplex

Pressure Classes:

CL3000, CL6000, CL9000, Standard, Extra Strong, S160, and XXS

Industry Standards:

ASTM, ASME, ANSI, and MSS





Specialty Products



At Bonney Forge, our WFI division manufactures specialty fittings of all shapes, sizes and materials. Modern forging equipment, computer-aided design, in-house heat treat and complete metallurgical testing facilities make us your fast, reliable source for virtually any type of piping or pressure vessel component.

Provide us with your design requirements and we'll create a product from your drawings and specifications. Or if you could use some help in the engineering area,

seek our expert recommendations for ways to enhance your design with more strength and versatility.

Currently, WFI provides commodity, specialty and MTO products for a wide variety of industrial markets including chemical, refining, pipeline, offshore oil and gas production, nuclear and fossil power plants, nuclear naval vessels and pulp and paper mills. Excellence in quality is the standard at WFI.



Forged Steel Valves



Bonney Forge acquired RP&C Valve in 2004. RP&C traces its' origin back to 1878 with the Steam Boiler Appliance Company. In 1963, White Consolidated Industries acquired RP&C and moved the operation to Fairview, PA. Conbraco Industries Inc. acquired RP&C in 1968 and moved the entire product line to the Carolinas. The 2004 acquisition of RP&C is indicative of Bonney Forge's leadership role and desire to serve in the market.

RP&C products consist of Forged Steel Valves used in the chemical processing, pulp and paper, petroleum, power, and residential and commercial construction markets.

Valve Types:

Gate, Globe, Check, Integral Flanged, Extended Body Gate and Y-Pattern

Body Bonnet Materials:

A105, LF2, F5, F22, F91, F316 and F316L

Trim Materials:

F6, F316, Monel 400, Monel 500 and Stellite

Pressure Classes:

150, 300, 600, 800, 1500, 1690, 2500 and 2680

End Configurations:

Threaded, Socket Weld, Plain End and Raised Face Flange

Industry Standards:

ASTM, ASME, ANSI, API, and MSS

* Other valve types and materials are available upon request.





Quality Assurance

Testing

Bonney Forge products are manufactured and tested in strict accordance to ASTM, ASME, ANSI, API and other industry codes and specifications as applicable.

Material Certifications are available upon request to the applicable ASTM/ASME material specifications for all Bonney Forge Fittings and Bonney Forge Valve body and bonnets.

Modern machining equipment plus rigid inspection procedures of all parts assures dimensional accuracy of every part. Quality Assurance procedures include 100% hydrostatic and pneumatic testing of all valves in full conformance to applicable API standards and industry codes.

Chemical and mechanical properties of every Bonney Forge product are fully traceable to the original forging lot and raw material heat.

Material Safety Data Sheets

Material Safety Data Sheets (MSDS) are required for hazardous chemicals under the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 29 CFR 1910.1200. Bonney Forge Corporation has determined that its valve and fitting products are "articles", as defined by this standard, and therefore do not require material safety data sheets.

Manufacturing Capabilities

Bonney Forge is clearly an integrated supplier with in-house forging, machining and assembly-test operations. Our forge shop contains a complete line of forging equipment including: billet saws and shears, billet heating furnaces and induction heaters, forge presses and hammers, trim presses and batch heat treatment equipment. All necessary support equipment including a forge die shop capable of in-house manufacture is located at this facility.

Bonney Forge's machining and assembly operations have a complete line of metal removal equipment including: turning, boring, milling, drilling, grinding, polishing, as well as welding and testing equipment to manufacture forged steel fittings and valves. This facility also contains all the necessary equipment to support these operations including work holding and cutting tool needs.

In addition, Bonney Forge is working in conjunction with machine tool builders to improve its manufacturing capabilities through a selective process of machine tool designs and purchases. Capital expenditures for forging and machining operations support our long term growth through capacity gains and productivity.

Certifications

Bonney Forge has a documented Quality Assurance/Quality Control program that is certified to ISO 9001 Quality Systems requirements. Bonney Forge has maintained this certification since December, 1992.

In addition, the Bonney Forge Valve Plant in Italy (BFE) and Cast Steel Valve Plant in China (BFS) also maintain ISO 9001 and CE/PED Certifications.



Research and Development

Bonney Forge and WFI International are the leaders in the field of branch fitting engineering. Together, Bonney Forge and WFI have developed every type of branch connection fitting used in today's modern piping systems.

We support all designs with comprehensive testing programs. These programs include Burst Tests for proof of strength and Fatigue Tests to determine Stress Intensification Factors (SIF's). All testing is carried out in accordance with applicable piping and pressure vessel codes and standards.

With Bonney Forge and WFI branch outlet fittings, you can be assured that they have been designed and tested in accordance with industry requirements. Test Data is available on request.

Additionally, we are now using Finite Element Analysis to build correlating models to validate and extend our test range.

WFI offers full engineering capability to develop and analyze special configurations and designs to meet the most demanding conditions.

Bonney Forge and WFI engineers participate in many codes and standards bodies including ASME, ASTM, API and MSS.





Our Facilities



Bonney Forge Sales Center/Warehouse

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fax (814) 542-9977

www.bonneyforge.com
bfsales@bonneyforge.com

RP&C Valve A Bonney Forge Company

(888) 231-0655 • fax (814) 542-8092

www.rpc-valve.com
rpcsales@rpc-valve.com



WFI International A Bonney Forge Company

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(713) 695-3633 • (800) 231-0430
fax (713) 695-3528

www.wfi-intl.com
customerservice@wfi-intl.com

Additional manufacturing facilities include:

Bosisio (Como), Italy *(top right)*

Albano San Alessandro (Bergamo), Italy *(bottom right)*

Shanghai, China *(top and bottom left)*



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