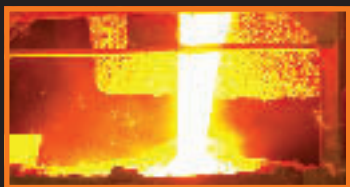


Reliability.

Simple as that.



WARD FITTINGS



US MADE
SINCE 1924

Why choose Ward Fittings?



The right fit for your gas distribution and fire protection needs.

For 85 years, Ward malleable and cast fittings have formed, hardened and tumbled from molds in Blossburg, PA. Rejects and returns are unthinkable. Ward quality and reliability are the products of rigorous testing, aggressive quality control and a team of men and women committed to the brand and its customers.

From order to invoice and everything in between, Ward delivers. Cast or malleable, elbow, coupling or tee, a Ward fitting works the first time, every time. That means fewer call-backs and more opportunities for profit. Products are made from 100% recycled raw material and meet rigorous industry specifications, including ANSI and ASTM.

What's more, no other manufacturer can match our accurate and complete fill rates. Working with Ward means you have the right product, where and when you need it, time after time.

Implementation of the American Recovery and Reinvestment Act of 2009 means that US Made is more important today than ever. Provisions of Section 1605 of the Recovery Act: Buy American include use of American iron, steel, and manufactured goods. Ward fittings fill the bill.

“ At Ward, we are committed to worksite safety and have been approved into OSHA’s Voluntary Protection Program (VPP). Our comprehensive occupational safety and health management system ensures our practices meet and surpass established benchmarks.

— Pete Guidi, CEO ”



For so many reasons...

A success story cast in America



When Joseph Ward founded Ward Manufacturing in 1924, the company produced a small line of cast iron steam and drainage fittings along with cast iron plugs and bushings. Over the decades, Ward has continued to remain ahead of growing demand for its competitively priced products through healthy reinvestment in its facilities, human resources and product development. Today, Ward is a leading source of quality, American-made fittings used in thousands of installations worldwide.

The strength of our reputation is in the details.

Quality iron is the starting point for Ward fittings. Modern methods of foundry practice, 100% recycled material and generations of expertise combine for uncompromising reliability. Ward also supports green building initiatives with products that meet LEED standards.

Ward uses only closely grained, high-tensile, non-porous iron, produced under expert laboratory supervision to manufacture black and galvanized fittings that are both rugged and precise. Chemical analysis is complemented by rigorous quality control of incoming raw materials and iron processing.

Setting the bar in cast and malleable iron fittings, Ward meets or exceeds key industry standards. Applicable Ward fittings are in compliance with the strict standards developed by:

- American National Standards Institute (ANSI)
- ASTM
- NSF Listing
- Federal Specifications



Ward has a lock on fire protection

Branded Product Lines

Wardlox™

Wardlox sprinkler connect products are the easiest and most efficient way to join plain end pipe. Featuring simple, foolproof and secure pipe engagement, Wardlox connectors reduce installation time, even in confined areas. Millions have been installed and remain in service in warehouses, high-rise buildings, hotels, rack systems and retrofits.



Key Features:

- Wardlox does not require threading or welding and fasten in place with self-locking screws.
- An exclusive plastic “lock patch” on each cadmium-plated set screw prevents screw loosening from vibrations during transportation and installation.
- Each fitting is individually air pressure tested with pipe ends fully seated against the gasket for 100% leak-free performance.
- Wardlox connectors are available in plain and galvanized finishes.

Teelox™

Designed for fast installation of bolted branch outlets, Teelox mechanical branch connectors are practical alternatives to existing branch connect systems. Made from high quality cast iron, Teelox are known for long-lasting, maintenance-free performance.

Key Features:

- A high grade EPDM rubber gasket surrounds the locating collar for accurate, permanent installation and the best seal in the industry.
- The locating collar is an integral part of the casting.
- A zinc-plated high-tensile steel U-bolt ensures rust-free attachment.
- Teelox is approved for conventional and arm-over installations.



Wisconsin Nipple

Primarily a manufacturer of carbon welded and seamless pipe nipples for the industrial pipe-valve-fittings (PVF) market, Wisconsin Nipple also manufactures stainless steel and brass nipples for fire protection and plumbing applications. Cutting and threading pipe and nipples since 1950, Wisconsin Nipple has earned a reputation as the quickest shipper in the nipple industry.

and sets the fittings standard.

Class 150 and Class 300 Pipe Fittings

Standard Class 150 and extra heavy Class 300 – (A.A.R.) black and galvanized iron fittings are made with the most sophisticated metallurgical and processing controls available. Iron samples are continuously analyzed using spectrometry to confirm the material quality.



Key Features:

- Threads have an accurate form, length and straightness for easy engagement with threaded pipe.
- Ward fittings have a chamfered opening for faster and easier pipe engagement. This feature also protects the fitting threads from damage during handling.
- Class 150 malleable iron fittings have outlets ranging from 1/2" through 4" and are air tested at 80 psig.
- Class 300 malleable iron fittings are designed to handle higher pressures and more rugged service applications.

Ward Unions

Control and accuracy of each operation are at the core of the entire manufacturing process for rugged Ward Unions. Crafted from the best quality malleable iron, Ward unions are coated to ensure a rust-resistant fitting. Each opening is chamfered and threaded, permitting easy assembly. Ward unions make up easily and pull tight for a sealed assembly.

Careful inspection by trained employees during and after each operation ensures castings that are smooth, clean and free from imperfections. The extra heavy brass seat ring is accurately machined to ensure perfect seating under difficult conditions.

Available Unions:

Class 150 Brass-to-Iron

Class 150 Gasket Unions

Class 150 Di-electric Unions

Class 150 All Iron Seat
Female Iron Pipe-to-Sweat Copper

Class 250 Brass-to-Iron

Class 300 Brass-to-Brass

Class 300 Brass-to-Iron

Class 300 All Iron Seat

Key Features:

- Crafted from the best quality malleable iron, Ward unions are coated for rust resistance.
- Each opening is chamfered and threaded permitting easy assembly.
- Ward unions make up easily and pull tight for a sealed assembly.
- The extra heavy brass seat ring is accurately machined to ensure perfect seating under difficult conditions.
- Ward unions are 100% air tested using the first UL approved in-line pressure decay testing system for union fittings.



Cast or malleable, Ward reliability



Plugs & Bushings

Ward plugs and bushings are produced in both malleable iron and cast iron grades in accordance with strict formula guidelines. Careful chemical analysis and process control ensure consistency of material in every piece Ward manufactures.

Key Features:

- Tapping and threading are performed using time tested methods to provide quality pipe threads.
- Every fitting is hand sorted and inspected to eliminate defective castings.

Clamps

Top Beam Clamps are recommended for use under roof installations with bar joist type construction or for attachment to the top flange of structural shapes.

Key Features:

- Ward Top Beam Clamps and "C" Clamps are manufactured from malleable iron with hardened steel cup point set screws and lock nuts.
- "C" Clamps may be attached to American Standard I-Beams and wide flange beams, where thickness of flange does not exceed .75 inches.
- Available in either black or galvanized finish.



Standard Class 125 Cast Iron Pipe Fittings



Ward Class 125 cast iron fittings are rugged, strong and make up tight. A chamfer is cut or cast in all openings, permitting easy engagement of pipe and preventing damage to the first thread in handling and threading.

Key Features:

- Made from iron that is held to strict formula by careful chemical analysis and process control.
- All tappings meet USA Standards for iron pipe threads.
- Ward ensures straightness and correct depth of threads through continuous inspection and hand sorting by highly trained inspectors.

and performance are unmatched.

Flanges Flange Unions Companion Flanges Flanged Fittings

Ward flanged components designed to handle the tough service that flanged components typically experience.

Key Features:

- Precision machining and thread chamfering mean Ward flanged components install easily, time and time again.
- Made with high-quality iron.
- Cast iron flanges are available in either a black or galvanized finish.

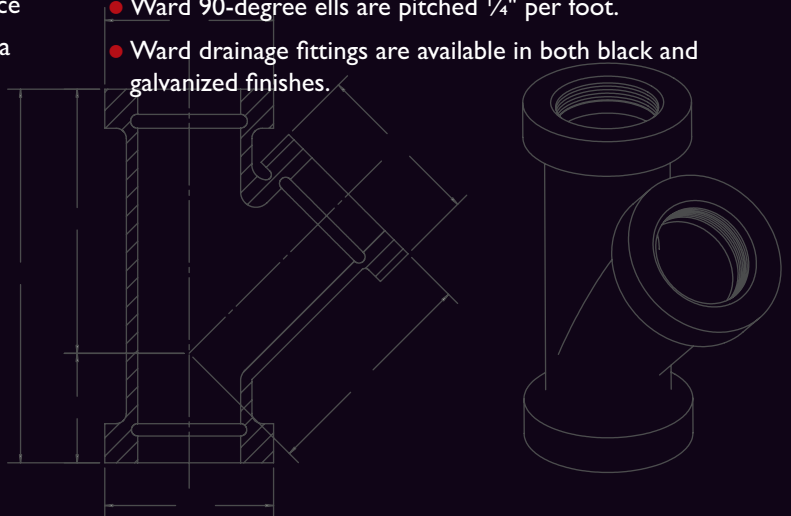


Cast Iron Drainage Fittings

Ward cast iron drainage fittings are designed especially for drainage systems using wrought pipe. Made with an interior shoulder, Ward drainage fittings form a continuous surface when the joint is made at the end of the pipe, providing a smooth flow of the pipe contents.

Key Features:

- Made with an inside diameter the same as wrought pipe.
- Ward 90-degree ells are pitched 1/4" per foot.
- Ward drainage fittings are available in both black and galvanized finishes.



Make it Simple. Make it Ward.



Reliability near you.

Life's hard. Getting Ward products shouldn't be. Ward Fittings and Wisconsin Nipple are distributed through plumbing and heating or HVAC wholesalers nationwide. With 28 sales offices and 22 warehouses across the United States and Canada, Ward has established a distributor network with inventories to fulfill orders quickly and accurately. We service large orders through our corporate headquarters in Blossburg, PA. Simply call toll free (800)248-1027 and select Customer Support from the departments menu or visit our **Where to Buy locator** at www.wardfittings.com.



WARD MANUFACTURING

Make it simple. Make it Ward.

117 Gulick Street • Blossburg, PA 16912 • (800) 248-1027 • www.wardmfg.com

