

THE BABCOCK & WILCOX CO.

TUBULAR PRODUCTS DIVISION • FITTINGS DEPT.
3839 WEST BURNHAM ST. MILWAUKEE 46, WISCONSIN
SEAMLESS WELDING FITTINGS AND FORGED STEEL FLANGES

DISTRICT OFFICES

ATLANTA 8, GA.	830 W. Peachtree St. N.W.	LOS ANGELES 17, CALIF.	1111 Wilshire Blvd.
BEAVER FALLS, PA.	712 Eleventh St.	MILWAUKEE 15, WIS.	2430 S. 28th St.
BOSTON (WELLESLEY 81), MASS.	66 Central St.	NEW YORK 17, N. Y.	666 Third Ave.
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CINCINNATI 6, OHIO	2330 Victory Pkwy.	ST. LOUIS 8, MO.	3615 Olive St.
CLEVELAND 14, OHIO	1420 Natl. City Bank Bldg.	SAN FRANCISCO 3, CALIF.	785 Market St.
DETROIT 26, MICH.	1717 Ford Bldg.	SYRACUSE 3, N. Y.	731 James St.
HOUSTON 19, TEXAS	2134 Welch St.	TULSA 3, OKLA.	427 S. Boston St.



B&W Welding Fittings and Flanges are available in carbon, alloy and stainless steels in a wide range of sizes. Typical types and size ranges are listed below. For information on the complete line of B&W Seamless Welding Fittings and Flanges, write for B&W's Welding Fittings Catalog FB-76.

Type of fitting	Carbon and Alloy Steel				Stainless Steel			
	Std Weight	Extra Strong	Schedule 160	Double Extra Strong	Schedule 3S	Schedule 10S	Schedule 40S	Schedule 80S
45° Elbows—Long radius	1/4-36	1/4-36	1-24	1/4-8	1/4-24	1/4-24	1/4-24	1/4-24
90° Elbows—Long radius	1/4-36	1/4-36	1-24	1/4-8	1/4-24	1/4-24	1/4-24	1/4-24
90° Elbows—Reducing—Long Radius	2x1 to 2x1 to 12x10	2x1 to 2x1 to 12x10	—	—	—	—	—	—
90° Elbows—Short Radius	1-30	1/4-30	1-24	2-8	1/4-24	1/4-24	1/4-24	1/4-24
180° Returns—Long Radius	1/4-30	1/4-30	1-24	2-8	1/4-24	1/4-24	1/4-24	1/4-24
180° Returns—Short Radius	1-30	1/4-30	1-24	2-8	1/4-24	1/4-24	1/4-24	1/4-24
Tees—Straight	1/4-36	1/4-36	1/4-24	1/4-8	1/4-24	1/4-24	1/4-24	1/4-24
Tees—Reducing Outlet	1/4-36 to 30x26	1/4-36 to 30x26	1/4-24 to 24x20	1/4-8 to 8x6	1/4-24 to 24x20	1/4-24 to 24x20	1/4-24 to 24x20	1/4-24 to 24x20
Reducers—Concentric and Eccentric	1x3/4 to 36x30	1x3/4 to 36x30	1x3/4 to 24x20	1x3/4 to 12x10	1x3/4 to 24x20	1x3/4 to 24x20	1x3/4 to 24x20	1x3/4 to 24x20
Caps	1-36	1-36	1-24	1-8	1-24	1-24	1-24	1-24
Stud Ends—Lap Joint	1/4-24	1/4-24	1-12	1-8	1/4-24	1/4-24	1/4-24	1/4-24
Laterals—Straight and Reducing	1-24	1-24	—	—	—	—	—	—
Crosses—Straight and Reducing	1/4-24	1/4-24	—	—	On Application	On Application	On Application	On Application
Swaged Nipples	On Application	On Application	—	—	—	—	—	—
Bull Plug	On Application	On Application	—	—	—	—	—	—
Shaped Nipples 90°—45°	2-12	2-12	—	—	—	—	—	—
Saddles—Sleeves	1-30	—	—	—	—	—	—	—

Type of Flange	150 lb	300 lb	400 lb	600 lb	900 lb	1500 lb	2500 lb
Welding Neck	1/4-24	1/4-24	1/4-24	1/4-24	1/4-24	1/4-24	1/4-12
Slip-on	1/4-24	1/4-24	1/4-24	1/4-24	1/4-24	1/4-24	1/4-12
Lap Joint	1/4-24	1/4-24	1/4-24	1/4-24	1/4-24	1/4-24	1/4-12
Threaded	1/4-24	1/4-24	1/4-24	1/4-24	1/4-24	1/4-12	1/4-12
Blind	1/4-24	1/4-24	1/4-24	1/4-24	1/4-24	1/4-12	1/4-12
Socket Welding	1/4-24	1/4-24	1/4-24	1/4-24	1/4-24	1/4-12	1/4-12
Reducing... Slip-on and Threaded	1/4x1/2-24x4	1/4x1/2-24x4	1/4x1/2-24x4	1/4x1/2-24x4	1/4x1/2-24x4	1/4x1/2-12x3 1/4	1/4x1/2-12x3 1/4

FA-8907



TO MARK PROGRESS

ATLANTA, GA. 1371 Peachtree Street, N.E.
BATON ROUGE, LA. 3175 Florida Blvd.
BRANTFORD, ONT., CAN. Park Road, N.
BUFFALO, N. Y. 14 Lafayette Square
CALGARY, ALTA., CAN. 35-15 Ave. S.W.
CHICAGO, ILL. 333 S. Michigan Ave.
CINCINNATI, OHIO 1232 Aldrich Ave.
CLEVELAND, OHIO 37 Hanna Bldg.
DALLAS, TEXAS 211 N. Ervay Bldg.
DENVER, COLO. 1700 Broadway

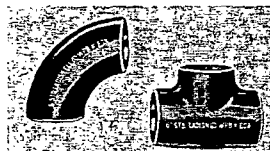
LADISH CO.

Cudahy (Milwaukee Suburb) Wisconsin
PLANTS IN: Cudahy, Milwaukee, Kenosha, Wis., Los Angeles, Calif., Houston, Texas, and Brantford, Ontario, Canada

LADISH SALES OFFICES:

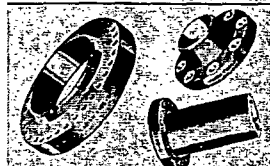
DETROIT, MICH. 1505 W. Eight Mile Rd.
HAWAII, U.S.A. P. O. Box 250-255 Chacoa
HOUSTON, TEXAS 1801 West Belt Drive N.
LOS ANGELES, CALIF. 2221 E. Slawson Ave.
MEXICO CITY, MEX. Buena Vista No. 2, Despacho 605
MONTREAL, QUE., CAN. New Birks Bldg.
NEW YORK, N. Y. 50 E. 42nd Street
ODESSA, TEXAS 419 W. 4th Street
PHILADELPHIA, PA. 1405 Locust Street
PITTSBURGH, PA. 3220 Grant Bldg.
ST. LOUIS, MO. 3615 Olive Street
ST. PAUL, MINN. 2250 University Ave.
SAN DIEGO, CALIF. 6055 Harbor Drive
SAN FRANCISCO, CALIF. 428 Market Street
SEATTLE, WASH. 314 Fairview Ave., N.
TORONTO, ONT., CAN. 11 Yorkville Ave.
TULSA, OKLA. 1503 1st Nat'l Bank and Trust Bldg.

LADISH... A COMPLETE LINE OF *Controlled Quality* PIPE FITTINGS



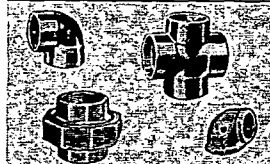
BUTT WELDING FITTINGS (IPS and Tube O.D.):

Sizes 1/4 in. through 42 in. Ranging from IPS Schedule 5S through double extra strong and special wall thicknesses through 5 in., plus complete range in Tube O.D. Fittings. These butt welding fittings align accurately for sound, fast welds to form an integral piping system of continuous efficiency. Smooth, flush, leak-proof joints reduce turbulence and pressure loss... and provide assurance of product uniformity.



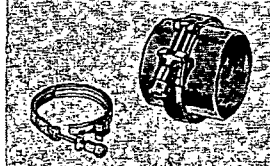
FLANGES, LONG NECKS, ROLLED RINGS:

ASA, MSS, Light type and Corrosion Weight Flanges in sizes 1/4 in. through 24 in.—in pressure ratings 150 lbs through 2500 lbs; Large O.D. and T.E.M.A. Flanges in sizes up to 24 feet dia; Long Necks in sizes 1 in. through 24 in.—in pressure ratings 150 lbs through 2500 lbs; Rolled Rings, seamless or welded, are available in diameters up to 24 feet and in weights up to 140,000 lbs. All parts forged under exacting metallurgical controls, accurately machined to full dimensions.



SCREWED & SOCKET WELDING FITTINGS & UNIONS:

Forged Fittings in sizes 1/4 in. through 4 in.—in pressure ratings 2000 lbs through 6000 lbs. Sharp, clean threads of Ladish screwed fittings assure tight, leak-proof joints. Wide reinforcing bands provide ample wrench grip surface and extra strength at stress points. Socket Welding Fittings have deep, true welding sockets to assure proper alignment and slip fit. 150 LB STAINLESS STEEL SCREWED FITTINGS are also available in a complete range of sizes and types.



INDUSTRIAL TRI-CLAMP STAINLESS STEEL FITTINGS:

The industrial type Tri-Clamp Stainless Steel line presents a unique design concept in a dismountable fitting with particular application in process lines demanding contamination-free product flow. Available in sizes 1/4 in. through 12 in., in IPS or Tube O.D., in type 304 and 316 stainless steel.

Tri-Clamp fittings make possible a light weight system with smooth inner walls... unobstructed flow... and no pockets and crevices to cause hazards of contamination. Simple assembly features... combined with light weight... assure fast, easy assembly and dismounting of lines for thorough cleaning, brushing and sterilization. Tri-Clamp line is assembled by either expand-on or weld-on methods.

A COMPLETE SERVICE TO MEET ANY REQUIREMENT:

Ladish offers complete service in pipe fittings regardless of type, size, pressure rating, wall thickness or material specification. Special emphasis on metallurgically sound materials and forging procedures... combined with advanced engineering... and rigid manufacturing controls assures users of Ladish fittings a uniformly high standard of dependability.

CATALOGS AVAILABLE

304 page Ladish Carbon and Alloy Fittings Catalog No. 55... and 86 page Ladish Stainless Steel Fittings Catalog available on request. Contact your authorized Ladish Distributor, your local Ladish sales office, or write Ladish Co., Cudahy, Wisconsin.

Available in:
CARBON, STAINLESS
AND ALLOY STEELS
ALUMINUM, NICKEL
TITANIUM AND OTHER
FERROUS AND NON-FERROUS METALS